

CHAPTER 1

ADMINISTRATION

Amend Chapter 1 by deleting all existing sections of the IBC and inserting Sections 101 – 122 to read as follows:

SECTION 101

GENERAL

101.1 Title. These regulations shall be known as the *Kentucky Building Code*, hereinafter referred to as "this code."

101.2 Scope. The provisions of the *Kentucky Building Code* shall apply to the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, maintenance and removal of every building or structure or any appurtenances connected or attached to such buildings or structures.

Exception 1.: Farm dwellings and other buildings and structures located on farms which are incident to the operation of the farm and located outside the boundary of a municipality; but only if they are not used in the business of retail trade, as a regular place of work for 10 or more people or for the processing or storage of timber products

Exception 2.: Manufactured homes constructed under federal HUD standards. However, the exterior electric, water and sewer connections and additions to the home are not exempt.

Exception 3: Detached single-family dwellings shall comply with Section 101.4.7, except that, permits, inspections and certificates of occupancy are required only as set forth in local ordinances.

Exception 4: Swimming Pools constructed completely above grade.

101.2.1 Appendices. Provisions in the appendices shall not apply unless specifically adopted.

101.3 Intent. The purpose of this code is to establish the minimum requirements to safeguard the public health, safety and general welfare through structural strength, means of egress facilities, stability, sanitation, adequate light and ventilation, energy conservation, and safety to life and property from fire and other hazards attributed to the built environment.

101.4 Referenced codes. The other codes listed in Sections 101.4.1 through 101.4.7 and referenced elsewhere in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference.

101.4.1 Electrical. *In every instance in which the ICC Electrical Code is listed, it shall be replaced with the National Electrical Code reference.* The provisions of the National Electrical Code referenced in Chapter 35 of this code shall apply to the installation of electrical systems, including alterations, repairs, replacement, equipment, appliances, fixtures, fittings and appurtenances thereto. The inspection of electrical installations shall be performed by a Certified Electrical Inspector pursuant to 815 KAR 35:015.

101.4.2 Gas. The provisions of *NFPA 54, National Fuel Gas Code*, referenced in Chapter 35 of this code, shall apply to the installation of gas piping from the point of delivery, gas appliances and related accessories as covered in this code. These requirements apply to gas piping systems extending from the point of delivery to the inlet connections of appliances and the installation and operation of residential and commercial gas appliances and related accessories.

101.4.3 Mechanical. The provisions of the *International Mechanical Code* referenced in Chapter 35 of this code shall apply to the installation, alterations, repairs, and replacement of mechanical systems, including equipment, appliances, fixtures, fittings and/or appurtenances, including ventilating, heating, cooling, air-conditioning and refrigeration systems, incinerators, and other energy-related -systems.

101.4.4 Plumbing. The provisions of the Kentucky State Plumbing Code referenced in Chapters 29 and 35 of this code shall apply to the installation, alterations, repairs and replacement of plumbing systems, including equipment, appliances, fixtures, fittings and appurtenances, and where connected to a water or sewage system and all aspects of a medical gas system. All plumbing installations shall be installed under the supervision of a Kentucky Licensed Master Plumber, and inspected and approved by the state plumbing inspector prior to usage.

101.4.5 Fire Protection. The provisions of the *International Fire Code* shall apply to matters affecting or relating to new construction in buildings where specifically referenced in this code, only.

101.4.6 Energy. The provisions of the *International Energy Code* as referenced in Chapters 13 of this code shall apply to all matters governing the design and construction of buildings for energy efficiency.

101.4.7 One- and Two-Family Dwellings: Detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories high with separate means of egress and their accessory structures shall comply with the *Kentucky Residential Code referenced in Chapter 35; except that the provisions of this chapter shall supercede any conflicting provisions of Chapter 1 of the IRC.*

101.5 Fire Safety Authority. The State Fire Marshal and the local fire code official shall continue to be the authority having jurisdiction for enforcement of the Kentucky Standards of Safety (Fire Prevention Code) in existing buildings not regulated by this code, and for continued fire safety maintenance in buildings constructed and approved under this code.

101.6 Accepted engineering practice. In the absence of provisions not specifically contained in this code or final decisions of the appeals board, the specifications and standards listed in Chapter 35 shall be deemed to represent accepted engineering practice with respect to materials, equipment, system or method of construction as specified and shall be acceptable.

SECTION 102 APPLICABILITY

102.1 General. Where, in any specific case, different sections of this code specify different materials, methods of construction or other requirements, the most restrictive shall govern. Where there is a conflict between a general requirement and a specific requirement, the specific requirement shall be applicable.

102.2 Other laws. Other local or state law shall be consulted to determine the existence of other powers given to the code official, such as those related to demolition or authority over unsafe structures unless a change of occupancy as required by Chapter 34 is made or proposed. Otherwise, this code shall not be cited as authority for upgrading existing structures which are not under construction.

102.3 Application of references. References to chapter or section numbers, or to provisions not specifically identified by number, shall be construed to refer to such chapter, section or provision of this code.

102.4 Referenced codes and standards. The codes and standards referenced in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference. Where differences occur between provisions of this code and referenced codes and standards, the provisions of this code shall apply; and newer editions of any standards may be used to meet the intent of the code in lieu of the adopted edition.

102.5 Partial invalidity. In the event any part or provision of this code is held to be illegal or void, this shall not have the effect of making void or illegal any of the other parts or provisions.

102.6 Existing structures. The legal occupancy of any structure existing on the date of adoption of this code shall be permitted to continue without change, except as is specifically covered in this code, the *Kentucky Fire Code*, or as is deemed necessary by the building official for the general safety and welfare of the occupants and the public. Application of this code to existing buildings shall apply as required by Section 3401 when alterations, additions or changes of occupancy as set forth in Chapter 34 of this code are proposed or occur.

102.6.1 Moved Structures. Buildings and structures moved into or within the Commonwealth shall comply with the provisions of this code for new buildings and structures and shall not be used or occupied until the certificate of occupancy, if required, has been issued by the code official. This provision does not apply to manufacturer homes.

SECTION 103 DEPARTMENT OF BUILDING INSPECTION

103.1 Creation of enforcement agency. The department of building inspection is hereby created and the official in charge thereof shall be known as the building official.

103.2 Appointment. The building official shall be appointed by the chief appointing authority of the jurisdiction and the official shall be certified as required by law.

103.3 Enforcement personnel. In accordance with the prescribed procedures of this jurisdiction and with the concurrence of the appointing authority, the building official shall have the authority to appoint trainees and other certified inspectors as necessary. Such employees shall have powers as allowed by law and delegated by the building official.

103.4 Certified Inspectors. The local government shall provide at least one Kentucky Certified Building Inspector, Level I, and a certified electrical inspector. The local government shall report the name of all inspectors to the Department and the Department shall be notified of any changes in inspector personnel.

103.5 General Authority. The building official is hereby authorized and directed to enforce the provisions of this code. The building official shall have the authority to render interpretations of this code and to adopt policies and procedures in order to clarify the application of its provisions. Such interpretations, policies and procedures shall be in compliance with the intent and purpose of this code. Such policies and procedures shall not have the effect of waiving requirements specifically provided for in this code.

103.6 Applications and permits. The building official shall receive applications, review construction documents and issue permits for the erection, and alteration and moving of buildings and structures, inspect the premises for which such permits have been issued and enforce compliance with the provisions of this code.

103.7 Notices and orders. The building official shall issue all necessary notices or orders to ensure compliance with this code.

103.8 Inspections. The building official shall make all of the required inspections, or the building official shall have the authority to accept reports of inspection by approved agencies or individuals. Reports of such inspections shall be in writing and be certified by a responsible officer of such approved agency or by the responsible individual. The building official is authorized to engage such expert opinion as deemed necessary to report upon unusual technical issues that arise, subject to the approval of the appointing authority.

103.9 Identification. The building official shall carry proper identification when inspecting structures or premises in the performance of duties under this code.

103.10 Right of entry. Where it is necessary to make an inspection to enforce the provisions of this code, or where the building official has reasonable cause to believe that there exists in a structure or upon a premises a condition which is contrary to or in violation of this code which makes the structure or premises unsafe, dangerous or hazardous, the building official is authorized to enter the structure or premises at reasonable times to inspect or to perform the duties imposed by this code, provided that if such structure or premises be occupied that credentials be presented to the occupant and entry requested. If such structure or premises be unoccupied, the building official shall first make a reasonable effort to locate the owner or other person having charge or control of the structure or premises and request entry. If entry is refused, the building official shall have recourse to the remedies provided by law to secure entry.

103.11 Department records. The building official shall keep official records of applications received, permits and certificates issued, fees collected, reports of inspections, and notices and orders issued. Such records shall be retained in the official records for the period required for retention of public records as promulgated by the Kentucky Department of Libraries and Archives pursuant to KRS 171.450.

103.12 Liability. The building official, member of the Board of Appeals or employee charged with the enforcement of this code, while acting for the jurisdiction in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered liable personally and is hereby relieved from personal liability for any damage accruing to persons or property as a result of any act or by reason of an act or omission in the discharge of official duties. Any suit instituted against an officer or employee because of an act performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be defended by legal representative of the jurisdiction until the final termination of the proceedings. The building official or any subordinate shall not

be liable for cost in any action, suit or proceeding that is instituted in pursuance of the provisions of this code.

103.13 Approved materials and equipment. Materials, equipment and devices approved by the building official shall be constructed and installed in accordance with such approval.

103.14 Used materials and equipment. The use of used materials, which meet the requirements of this code for new materials, is permitted. Used equipment and devices shall not be reused unless approved by the building official.

103.15 Modifications. Wherever there are practical difficulties involved in carrying out the provisions of this code, the building official shall have the authority to grant modifications for individual cases, upon application of the owner or owner's representative, provided the building official shall first find that special individual reason makes the strict letter of this code impractical and the modification is in compliance with the intent and purpose of this code and that such modification does not lessen health, accessibility, life and fire safety, or structural requirements. The details of action granting modifications shall be recorded and entered in the files of the department of building safety.

103.16 Alternative materials, design and methods of construction and equipment. The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative has been approved. An alternative material, design or method of construction shall be approved where the building official finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the purpose intended, at least the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability and safety.

103.17 Tests. Whenever there is insufficient evidence of compliance with the provisions of this code, or evidence that a material or method does not conform to the requirements of this code, or in order to substantiate claims for alternative materials or methods, the building official shall have the authority to require tests as evidence of compliance to be made at no expense to the jurisdiction. Test methods shall be as specified in this code or by other recognized test standards. In the absence of recognized and accepted test methods, the building official shall approve the testing procedures. Tests shall be performed by an approved agency. Reports of such tests shall be retained by the building official for the period required for retention of public records as promulgated by the Kentucky Department of Libraries and Archives pursuant to KRS 171.450.

103.18. Rule Making Authority: By means of the board's appeals procedures, the board may issue interpretations which shall be binding upon the Appellee and the code official, and the code official shall implement the provisions of this code to secure its intent as determined by the board.

103.19 Nonstructural repairs: Nonstructural alterations or repairs, which do not adversely affect a structural member having a required fire-resistance rating, may be made with the same materials of which the structure was constructed.

103.20 Building size includes fire wall: To determine plan review jurisdiction and the necessity for design professionals, the calculation of the total square footage and occupant load for any project shall include areas on both sides of fire walls.

SECTION 104 JURISDICTION FOR PLAN REVIEW AND INSPECTION

104.1 LOCAL JURISDICTION: The local code official shall be responsible for the examination and approval of plans and specifications and the inspections necessary to determine compliance for buildings as listed in this section and the determination of jurisdiction shall be based upon occupant load calculations in accordance with Section 1003 of this code.

104.1.1 In assembly occupancies: All buildings classified as assembly occupancies, except churches as indicated in Section 104.1.3, having a capacity which does not exceed 100 persons and all non-church assembly buildings having 1,500 square feet (140 m²) or less of total floor area.

104.1.2 In business occupancies: All buildings classified as business occupancies having a capacity which does not exceed 100 persons and all business occupancies having 10,000 square feet (930 m²) or less of total floor area.

104.1.3 In churches: All church buildings having a capacity of 400 or less persons and all church buildings having 6,000 square feet (558 m²) or less of total floor area.

104.1.4 In factory or industrial occupancies: All buildings classified as factory or industrial occupancies having a capacity which does not exceed 100 persons and all factory or industrial occupancies having 20,000 square feet (1860 m²) or less of total floor area.

104.1.5 In mercantile occupancies: All mercantile occupancies having a capacity which does not exceed 100 persons and all mercantile occupancies having 3,000 square feet (280 m²) or less of total floor area.

104.1.6 In residential, storage or utility occupancies: All buildings classified as residential, storage or utility occupancies as long as the buildings do not exceed three stories in height or 20,000 square feet (1860 m²) or less of total floor area.

104.1.7 State buildings exempt: Buildings owned by the Commonwealth shall not be subject to local plan review, inspection or approval, regardless of size, occupant load or occupancy classification.

104.2 STATE JURISDICTION: The department shall have jurisdiction to review construction documents, issue permits, make inspections and to determine compliance with this code for the buildings listed in Sections 104.2.1 through 104.2.8 and all buildings except one- and two-family dwellings where no local building inspection program exists.

104.2.1 Assembly occupancies: All buildings classified as assembly occupancies having a capacity in excess of 100 persons and total building area in excess of 1,500 square feet (140 m²), except church buildings having a capacity of 400 or less persons and church buildings having 6,000 square feet (558 m²) or less of total floor area.

104.2.2 Business occupancies: All buildings classified as business occupancies having a capacity in excess of 100 persons and total building area in excess of 10,000 square feet (930 m²).

104.2.3 Educational, high hazard or institutional occupancies: All buildings classified as educational, high hazard or institutional occupancies regardless of occupant capacity or building size.

104.2.4 Factory or industrial occupancies: All buildings classified as factory or industrial occupancies having a capacity in excess of 100 persons and a total building area in excess of 20,000 square feet (1858 m²).

104.2.5 Industrialized building systems: All buildings classified as *industrialized building systems* regardless of occupancy size or occupancy classification.

104.2.6 Mercantile occupancies: All buildings classified as mercantile occupancies having a capacity in excess of 100 persons and total building area in excess of 3,000 square feet (280 m²).

104.2.7 Other buildings: All other buildings containing in excess of three stories or 20,000 square feet of total floor area.

104.2.8 State owned buildings: All buildings owned by the Commonwealth regardless of occupancy classification or size.

SECTION 105 PERMITS

105.1 Required. Any owner or authorized agent who intends to construct, enlarge, remodel or change the occupancy of a building, or to erect, install, enlarge, alter, repair, remove, convert or replace any electrical, gas, mechanical or plumbing system, the installation of which is regulated by this code, or to cause any such work to be done, shall first make application to the building official and obtain the required permit.

105.1.1 Annual permit. In lieu of an individual permit for each alteration to an already approved electrical, gas, mechanical or plumbing installation, the building official is authorized to issue an annual permit upon application therefor to any person, firm or corporation regularly employing one or more qualified trade persons in the building, structure or on the premises owned or operated by the applicant for the permit.

105.1.2 Annual permit records. The person to whom an annual permit is issued shall keep a detailed record of alterations made under such annual permits. The building official shall have access to such records at all times or such records shall be filed with the building official as designated.

105.2 Work exempt from permit. Exemptions from permit requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this jurisdiction. Permits shall not be required for the following:

Building:

1. One-story detached accessory structures used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed 120 square feet (11.15 m²).
2. Fences not over 6 feet (1829 mm) high.

3. Oil derricks.
4. Retaining walls which are not over 4 feet (1219 mm) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge or impounding Class I, II or III-A liquids.
5. Water tanks supported directly upon grade if the capacity does not exceed 5,000 gallons (18930 L) and the ratio of height to diameter or width does not exceed 2 to 1.
6. Sidewalks and driveways not more than 30 inches (762 mm) above grade and not over any basement or story below and which are not part of an accessible route.
7. Painting, papering, tiling, carpeting, cabinets, counter tops and similar finish work.
8. Temporary motion picture, television and theater stage sets and scenery.
9. Prefabricated swimming pools accessory to a group R-3 occupancy, as applicable in Section 101.2, which are installed entirely above ground.
10. Shade cloth structures constructed for nursery or agricultural purposes and not including service systems.
11. Swings and other playground equipment accessory to one- and two-family dwellings.
12. Window awnings supported by an exterior wall of Group R-3, as applicable in Section 101.2, and Group U occupancies.
13. Movable cases, counters and partitions not over 5 feet 9 inches (1753 mm) in height.

Electrical:

Repairs and maintenance: Minor repair work, including the replacement of lamps or the connection of approved portable electrical equipment to approved permanently installed receptacles.

Radio and television transmitting stations: The provisions of this code shall not apply to electrical equipment used for radio and television transmissions.

Temporary testing systems: A permit shall not be required for the installation of any temporary system required for the testing or servicing of electrical equipment or apparatus.

Gas:

1. Portable heating appliance.
2. Replacement of any minor part that does not alter approval of equipment or make such equipment unsafe.

Mechanical:

1. Portable heating appliance;
2. Portable ventilation equipment;
3. Portable cooling unit;
4. Steam, hot or chilled water piping within any heating or cooling equipment regulated by this code;
5. Replacement of any part which does not alter its approval or make it unsafe;
6. Portable evaporative cooler;
7. Self-contained refrigeration system containing 10 pound (4.54 kg) or less of refrigerant and actuated by motors of 1 horsepower (746 W) or less.

Plumbing:

The stopping of leaks in drains, water, soil, waste or vent pipe; provided, however, that if any concealed trap, drainpipe, water, soil, waste or vent pipe becomes defective and it becomes necessary to remove and

replace the same with new material, such work shall be considered as new work and a permit shall be obtained and inspection made as provided in this code.

The clearing of stoppages or the repairing of leaks in pipes, valves or fixtures, and the removal and reinstallation of water closets, provided such repairs do not involve or require the replacement or rearrangement of valves, pipes or fixtures.

105.2.1 Emergency repairs. Where equipment replacements and repairs must be performed in an emergency situation, the permit application shall be submitted within the next working business day to the building official.

105.2.2 Repairs. Application or notice to the building official is not required for ordinary repairs to structures, replacement of lamps or the connection of approved portable electrical equipment to approved permanently installed receptacles. Such repairs shall not include the cutting away of any wall, partition or portion thereof, the removal or cutting of any structural beam or load bearing support, or the removal or change of any required means of egress, or emergency escape windows, or rearrangement of parts of a structure affecting the egress requirements; nor shall ordinary repair include addition to, alteration of, replacement or relocation of any standpipe, water supply, sewer, drainage, drain leader, gas, soil, waste, vent or similar piping, electric wiring or mechanical or other work affecting public health or general safety.

105.2.3 Public service agencies. A permit shall not be required for the installation, alteration or repair of generation, transmission, distribution or metering or other related equipment that is under the ownership and control of public service agencies by established right.

105.3 Application for permit. To obtain a permit, the applicant shall first file an application therefor in writing on a form furnished by the department of building inspection for that purpose. Such application shall:

1. Identify and describe the work to be covered by the permit for which application is made.
2. Describe the land on which the proposed work is to be done by legal description, street address or similar description that will readily identify and definitely locate the proposed building or work. New buildings or additions shall be accompanied by a copy of the current site survey bearing the seal and signature of a Kentucky Registered Land Surveyor, except the code official may, at the official's discretion, accept other proof of location.
3. Indicate the use and occupancy for which the proposed work is intended.
4. Be accompanied by construction documents and other information as required in Section 106.3.
5. Give such other data and information as required by the building official.

105.3.1 Action on application. The building official shall examine or cause to be examined applications for permits and amendments thereto within a reasonable time after filing. If the application or the construction documents do not conform to the requirements of pertinent laws, the building official shall reject such application in writing, stating the reasons therefor. If the building official is satisfied that the proposed work conforms to the requirements of this code and laws and ordinances applicable thereto, the building official shall issue a permit therefor as soon as practicable.

105.3.2 Time limitation of application. An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been

pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

105.4 Validity of permit. The issuance or granting of a permit shall not be construed to be a permit for, or an approval of, any violation of any of the provisions of this code or of any other ordinance of the jurisdiction. Permits presuming to give authority to violate or cancel the provisions of this code or other ordinances of the jurisdiction shall not be valid. The issuance of a permit based on construction documents and other data shall not prevent the building official from requiring the correction of efforts in the construction documents and other data. The building official is also authorized to prevent occupancy or use of a structure where in violation of this code or of any other ordinances of this jurisdiction.

105.5 Expiration. Every permit issued shall become invalid unless the work on the site authorized by such permit is commenced within 180 days after its issuance, or if the work authorized on the site by such permit is suspended or abandoned for a period of 180 days after the time the work is commenced. The building official is authorized to grant, in writing, one or more extensions of time, for periods not more than 180 days each. The extension shall be requested in writing and justifiable cause demonstrated.

105.6 Suspension or revocation. The building official is authorized to suspend or revoke a permit issued under the provisions of this code wherever the permit is issued in error or on the basis of incorrect, inaccurate or incomplete information, or in violation of any ordinance or regulation or any of the provisions of this code.

105.7 Placement of permit. The building permit or copy shall be kept on the site of the work until the completion of the project.

105.8 Local permit limitation: Local permits shall not be issued for buildings subject to state plan review jurisdiction in accordance with Section 104.2 until the Department has approved construction to begin.

SECTION 106 CONSTRUCTION DOCUMENTS

106.1 Submittal documents. One set of Construction documents, special inspection and structural observation programs, and other data shall be submitted with each application for a permit. Additional plans and documents may be required by the Kentucky Division of Plumbing or by local ordinance for buildings under local plan review jurisdiction. Construction documents involving the practice of professional architecture or engineering, as defined by KRS Chapters 322 and 323, shall be prepared by Kentucky-licensed design professional and all construction documents required for a building permit application for the work shall bear the required signature and seals of the professionals as required by Section 122 of this Chapter. Where special conditions exist, the building official is authorized to require additional construction documents to be prepared by a registered design professional.

Exceptions:

1. Seals of design professionals shall not be required for tenant space alterations unless the space itself is of a size that would require the design professional seals if it were a new building.
2. The building official is authorized to waive the submission of construction documents and other data not required to be prepared by a registered design professional if it is found that the nature of the work

applied for is such that reviewing of construction documents is not necessary to obtain compliance with this code.

106.1.1 Information on construction documents.

Construction documents shall be dimensioned upon suitable material. Electronic media documents are permitted to be submitted when approved by the building official. Construction documents shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of this code and relevant laws, ordinances, rules and regulations, as determined by the building official.

106.1.1.1 Fire protection system shop drawings. Shop drawings for the fire protection system(s) shall be submitted to indicate conformance with this code and the construction documents and shall be approved prior to the start of system installation. Shop drawings shall contain all information as required by the referenced installation standards in Chapter 9.

106.1.2 Means of egress. The construction documents shall show in sufficient detail the location, construction, size and character of all portions of the means of egress in compliance with the provisions of this code. In other than occupancies in Groups R-2 and R-3 as applicable in Section 101.2 and I-1, the construction documents shall designate the number of occupants to be accommodated on every floor, and in all rooms and spaces.

106.1.3 Exterior wall envelope. Construction documents for all buildings shall describe the exterior wall envelope in sufficient detail to determine compliance with this code. The construction documents shall provide details of the exterior wall envelope as required, including flashing, intersections with dissimilar materials, corners, end details, control joints, intersections at roof, eaves, or parapets, means of drainage, water-resistive membrane, and details around openings.

The construction documents shall include manufacturing installation instructions that provide supporting documentation that the proposed penetration and opening details described in the construction documents maintain the weather resistance of the exterior wall envelope. The supporting documentation shall fully describe the exterior wall system which was tested, where applicable, as well as the test procedure used.

106.2 Site plan. The construction documents submitted with the application for permit shall be accompanied by a site plan showing to scale the size and location of new construction and existing structures on the site, distances from lot lines, the established street grades and the proposed finished grades; and it shall be drawn in accordance with an accurate boundary line survey. In the case of demolition, the site plan shall show construction to be demolished and the location and size of existing structures and construction that are to remain on the site or plot. The building official is authorized to waive or modify the requirement for a site plan when the application for permit is for alteration or repair or when otherwise warranted.

106.3 Examination of documents. The building official shall examine or cause to be examined the accompanying construction documents and shall ascertain by such examinations whether the construction indicated and described is in accordance with the requirements of this code.

106.3.1 Approval of construction documents. Construction documents shall be approved, in writing or by stamp, as "Reviewed for Code Compliance" or "Released for Construction" The construction

documents that have been approved or released for construction shall be kept at the site of work and shall be open to inspection by the building official or his authorized representative.

106.3.2 Previous approvals. This code shall not require changes in the construction documents, construction or designated occupancy of a structure for which a lawful permit has been heretofore issued or otherwise lawfully authorized, and the construction of which has been pursued in good faith within 180 days after the effective date of this code and has not been abandoned.

106.3.3 Phased approval. The building official is authorized to issue a permit for the construction of foundations or any other part of a building or structure before the construction documents for the whole building or structure have been submitted, provided that adequate information and detailed statements have been filed complying with pertinent requirements of this code. The holder of such permit for the foundation or other parts of a building or structure shall proceed at the holder's own risk with the building operation and without assurance that a permit for the entire structure will be granted.

106.3.4 Design professional in responsible charge. When Section 106.1 requires that documents be prepared by a registered design professional, the building official shall be authorized to require the owner to engage and designate on the building permit application a registered design professional who shall act as the registered design professional in responsible charge. If the circumstances require, the owner shall designate a substitute registered design professional in responsible charge who shall perform the duties required of the official registered design professional in responsible charge. The building official shall be notified in writing by the owner if the registered design professional in responsible charge is changed or is unable to continue to perform the duties.

The registered design professional in responsible charge shall be responsible for reviewing and coordinating submittal documents prepared by others, including phased and deferred submittal items for compatibility with the design of the building.

Where structural observation is required by Section 1709, the inspection program shall name the individual or firms who are to perform structural observation and describe the stages of construction at which structural observation is to occur. See also duties specified in Section 1704.

106.3.4.1 Deferred submittals. For the purposes of this section, deferred submittals are defined as those portions of the design that are not submitted at the time of the application and that are to be submitted to the building official within a specified period.

Deferral of any submittal items shall have the prior approval of the building official. The Registered design professional in responsible charge shall list the deferred submittals on the construction documents for review by the building official.

Submittal documents for deferred submittal items shall be submitted to the registered design professional in responsible charge who shall review them and forward them to the building official with a notation indicating that the deferred submittal documents have been reviewed and that they have been found to be in general conformance with the design of the building. The deferred submittal items shall not be installed until their design and submittal documents have been approved by the building official.

106.4 Amended construction documents. Work shall be installed in accordance with the reviewed construction documents, and any changes made during construction that are not in compliance with the approved construction documents shall be resubmitted for approval as an amended set of construction documents.

106.5 Retention of construction documents. The building official, as required by the Kentucky Department of Libraries and Archives administrative regulations, shall retain approved construction documents.

SECTION 107 TEMPORARY STRUCTURES AND USES

107.1 General. The building official is authorized to issue a permit for temporary structures and temporary uses. Such permits shall be limited as to time of service, but shall not be permitted for more than 180 days. The building official is authorized to grant extensions for demonstrated cause.

107.2 Conformance. Temporary structures and uses shall conform to the structural strength, fire safety, means of egress, accessibility, light, ventilation and sanitary requirements of this code as necessary to ensure the public health, safety and general welfare.

107.3 Temporary power. The building official with the agreement of the certified electrical inspector is authorized to give permission to temporarily supply and use power in part of an electric installation before such installation has been fully completed and the final certificate of completion has been issued. The part covered by the temporary certificate shall comply with the requirements specified for temporary lighting, heat or power in the National Electrical Code as referenced in Chapters 27 and 35 of this code.

107.4 Termination of approval. The building official is authorized to terminate such permit for a temporary structure or use and to order the temporary structure or use to be discontinued.

SECTION 108 FEES

108.1 Payment of fees. A permit or letter of permission to begin construction shall not be valid until the applicable fees prescribed by local ordinance and Section 121 have been paid. Nor shall an amendment to a permit be released until the additional fee, if any, has been paid.

108.2 Work commencing before permit issuance. Any person who commences any work on a building, structure, electrical, gas, mechanical or plumbing system before obtaining the necessary permits shall be subject to an additional fee established by the building official which shall be in addition to and equal in the amount of the original fees.

108.3 Related fees. The payment of the fee for the construction, alteration, removal or demolition for work done in connection with or concurrently with the work authorized by a building permit shall not relieve the applicant or holder of the permit from the payment of other fees that are prescribed by law.

108.4 Refunds. The building official is authorized to establish a refund policy.

SECTION 109 INSPECTIONS

109.1 General. Construction or work for which a permit is required shall be subject to inspection by the building official and such construction or work shall remain accessible and exposed for inspection purposes until approved. Approval as a result of an inspection shall not be construed to be an approval of a violation of the provisions of this code or of other ordinances of the jurisdiction. Inspections presuming to give authority to violate or cancel the provisions of this code or of other ordinances of the jurisdiction shall not be valid. It shall be the duty of the permit applicant to cause the work to remain accessible and exposed for inspection purposes. Neither the building official nor the jurisdiction shall be liable for expense entailed in the removal or replacement of any material required to allow inspection.

109.2 Preliminary inspection. Before issuing a permit, the building official is authorized to examine or cause to be examined buildings, structures and sites for which an application has been filed.

109.3 Construction Phases. The building official is allowed to make periodic inspections in accordance with Sections 109.3.1 through 109.3.10.

109.3.1 Footing or foundation inspection. Footing and foundation inspections are appropriate after excavations for footings are complete and any required reinforcing steel is in place. For concrete foundations, any required forms shall be in place prior to inspection approval. Materials for the foundation shall be on the job, except where concrete is ready mixed in accordance with ASTM C 94, the concrete need not be on the job.

109.3.2 Concrete slab or under-floor inspection. Concrete slab and under-floor inspections shall be made after in-slab or under-floor reinforcing steel and building service equipment, conduit, piping accessories and other ancillary equipment items are in place, but before any concrete is placed or floor sheathing installed, including the subfloor.

109.3.3 Lowest floor elevation. The elevation certification required in Section 1612.5 shall be submitted to the building official.

109.3.4 Frame inspection. Framing inspections shall be made after the roof deck or sheathing, all framing, fire blocking and bracing are in place and pipes, chimneys and vents to be concealed are complete and the rough electrical, plumbing, heating wires, pipes and ducts are approved.

109.3.5 Lath or gypsum board inspection. Lath and gypsum board inspections shall be made after lath and gypsum board, interior and exterior, is in place, but before any plastering is applied or before gypsum board joints and fasteners are taped and finished.

Exception: Gypsum board that is not part of a fire-resistant-rated assembly or a shear assembly.

109.3.6 Fire-resistant penetrations. Protection of joints and penetrations in fire-resistance-rated assemblies shall not be concealed from view until inspected and approved.

109.3.7 Energy efficiency inspections. Inspections may be made to determine compliance with Chapter 13 for: envelope insulation R and U value, fenestration U value, duct system R value, and HVAC and water heating equipment efficiency.

109.3.8 Other inspections. In addition to the inspections specified above, the building official is authorized to make or require other inspections of any construction work to ascertain compliance with the provisions of this code and other laws that are enforced by the department of building safety.

109.3.9 Special inspections. For special inspections, see Section 1704.

109.3.10 Final inspection. The final inspection shall be made after all work required by the building permit is completed.

109.4 Inspection agencies. The building official is authorized to accept reports of approved inspection agencies, provided such agencies satisfy the requirements for qualifications and reliability.

109.5 Inspection requests. It shall be the duty of the holder of the building permit or their duly authorized agent to notify the building official when work is ready for inspection at the various stages. It shall be the duty of the permit holder to provide access to and means for inspection of such work for the inspections.

109.6 Approval required. Work shall not be done beyond the point indicated in each successive inspection without the approval of the building official. The building official, upon notification, shall make the requested inspections and shall either indicate the portion of the construction that is satisfactory as completed, or shall notify the permit holder or an agent of the permit holder wherein the same fails to comply with this code. Any portions that do not comply shall be corrected and such portion shall not be covered or concealed until authorized by the building official.

109.7 Industrialized building system inspections. The inspection of all buildings classified as industrialized building systems, regardless of size or occupancy classification shall be in accordance with this section.

109.7.1 Off-site construction: In-plant inspections in production and manufacturing facilities for industrialized building systems as well as on-site inspection for all industrialized building systems, except those classified as detached one- and two-family dwellings as indicated in Section 109.7.2, shall be conducted by the department or its authorized agent. The local code official shall be responsible for inspection of these systems for zoning, water supply and sewage disposal, and other applicable local ordinance purposes.

109.7.2 On-site construction: On-site construction related to modular homes or one- and two family dwelling installations may be permitted and inspected by the local code official having jurisdiction. The local code official having jurisdiction shall be responsible for the inspection of foundation system, placement of the building, connections of the units, final set-up of the unit and the issuance of the certificate of occupancy.

109.8 Fire code official inspections: The code official shall cooperate with the fire code official by allowing the fire code official to inspect all buildings during construction. Recommendations made by the fire code official relating to fire safety in construction of a building shall be considered by the code official,

and if a certificate of occupancy is issued contrary to the written recommendations, the code official shall give written notification of the decision to the fire code official at once.

109.9 Final Inspections: Upon completion of the building, the owner or agent of the facility shall request a final inspection. The code official shall set a time for the inspection and notify the owner or agent. If substantial compliance with the approved construction documents and permit has been achieved, a certificate of occupancy shall be issued, as described in Section 110.0. If compliance has not been achieved, violations of the approved construction documents and permit shall be noted and immediately communicated to the owner, agency or other person holding the permit and the fire code official. It shall be the owner's responsibility and the responsibility of the person of company responsible for the construction work to fulfill any compliance deficiencies noted.

SECTION 110 CERTIFICATE OF OCCUPANCY

110.1 Use and occupancy. No building or structure shall be used or occupied, and no change in the existing occupancy classification of a building or structure or portion thereof shall be made until the building official has issued a certificate of occupancy therefor as provided herein. Issuance of a certificate of occupancy shall not be construed as an approval of a violation of the provisions of this code or of other ordinances of the jurisdiction.

110.2 Change in use. Changes in the character or use of an existing structure shall not be made except as specified in Chapter 34.

110.3 Certificate issued. After the building official inspects the building or structure and finds no violations of the provisions of this code or other laws that are enforced by the department of building safety, the building official shall issue a certificate of occupancy that shall contain the following:

1. The building permit number.
2. The address of the structure.
3. The name and address of the owner.
4. A description of that portion of the structure for which the certificate is issued.
5. A statement that the described portion of the structure has been inspected for compliance with the requirements of this code for the occupancy and division of occupancy and the use for which the proposed occupancy is classified.
6. The name of the building official.
7. The edition of the code under which the permit was issued.
8. The use and occupancy, in accordance with the provisions of Chapter 3.
9. The type of construction as defined in Chapter 6.
10. The design occupant load.
11. If an automatic sprinkler system is provided, whether the sprinkler system is required.
12. Any special stipulations and conditions of the building permit.

110.4 Temporary occupancy. The building official is authorized to issue a temporary certificate of occupancy before the completion of the entire work covered by the permit, provided that such portion or portions shall be occupied safely. The building official shall set a time period during which the temporary certificate of occupancy is valid.

SECTION 111 SERVICE UTILITIES

111.1 Connection of service utilities. No person shall make connections from a utility, source of energy, fuel or power to any building or system that is regulated by this code for which a permit is required, until released **by the applicable licensed and certified persons listed in Section 111.4.**

111.2 Temporary connection. **The authority to authorize the temporary connection of the building or system to the utility source of energy, fuel or power shall be by the applicable licensed and certified persons listed in Section 111.4.**

111.3 Authority to disconnect service utilities. The building official shall have the authority to authorize disconnection of utility service to the building, structure or system regulated by this code and the codes referenced in case of emergency where necessary to eliminate an immediate hazard to life or property. The building official shall notify the serving utility, and wherever possible the owner and occupant of the building, structure or service system of the decision to disconnect prior to taking such action. If not notified prior to disconnecting, the owner or occupant of the building, structure or service system shall be notified in writing, as soon as practical thereafter.

111.4 Enforcement by local government: The electrical system shall be inspected and approved by a certified electrical inspector pursuant to KRS 227.489 and 815 KAR 35:015. The plumbing system shall be inspected and approved pursuant to KRS Chapter 318 of the Kentucky Revised Statutes and the Kentucky State Plumbing Code as set out in Title 815, Chapter 20, Kentucky Administrative **Regulations.**

SECTION 112 VIOLATIONS

112.1 Unlawful acts. It shall be unlawful for any person, firm or corporation to erect, construct, alter, extend, repair, move, remove, or occupy any building, structure or equipment regulated by this code, or cause same to be done, in conflict with or in violation of any of the provisions of this code.

112.2 Notice of violation. The building official is authorized to serve a notice of violation or order on the person responsible for the erection, construction, alteration, extension, repair, moving, removal, or occupancy of a building or structure in violation of the provisions of this code, or in violation of a permit or certificate issued under the provisions of this code. Such order shall direct the discontinuance of the illegal action or condition and the abatement of the violation.

112.3 Prosecution of violation. If the notice of violation is not complied with promptly, the building official is authorized to request the legal counsel of the jurisdiction to institute the appropriate proceeding at law or in equity to restrain, correct or abate such violation, or to require the removal or termination of the unlawful occupancy of the building or structure in violation of the provisions of this code or of the order or direction made pursuant thereto.

112.4 Violation penalties. Any person who violates a provision of this code or fails to comply with any of the requirements thereof or who erects, constructs, alters or repairs a building or structure in violation of the approved construction documents or directive of the building official, or of a permit or certificate issued

under the provisions of this code, shall be subject to penalties provided by KRS 198B.990 and other applicable law.

SECTION 113 STOP WORK ORDER

113.1 Authority. Whenever the building official finds any work regulated by this code being performed in a manner contrary to the provisions of this code or in a dangerous or unsafe manner, the building official is authorized to issue a stop work order.

113.2 Issuance. The stop work order shall be in writing and shall be given to the owner of the property involved, or to the owner's agent, or to the person doing the work. Upon issuance of a stop work order, the cited work shall immediately cease according to the time limitation on the order. The stop work order shall state the reason for the order, and the conditions under which the cited work will be permitted to resume.

113.3 Unlawful continuance. Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be subject to penalties as prescribed by law.

113.4 Limitation on changes. No inspector shall be authorized to require changes on-site which are contrary to the approved construction documents. If an inspector finds a code discrepancy in an on-site inspection, the inspector shall refer the matter to the official having construction document review responsibility who shall require corrections if the code so requires.

SECTION 114 UNSAFE STRUCTURES AND EQUIPMENT

114.1 Discovery of unsafe Conditions. If a building is under construction or alteration as regulated by this code and during the construction any structure or equipment that is or becomes become unsafe, unsanitary or deficient because of inadequate means of egress facilities, inadequate light and ventilation, or which constitute a fire hazard, or are otherwise dangerous to human life or the public welfare, or which involve illegal or improper occupancy or inadequate maintenance, shall be deemed an unsafe condition. Unsafe structures shall be taken down and removed or made safe, as the building official deems necessary and as provided for in this section. A vacant structure that is not secured against entry shall be deemed unsafe.

114.2 Record. The building official shall cause a report to be filed on an unsafe condition. The report shall state the occupancy of the structure and the nature of the unsafe condition.

114.3 Notice. If an unsafe condition is found as described in section 115.1, the building official shall serve on the owner, agent or person in control of the structure, a written notice that describes the condition deemed unsafe and specifies the required repairs or improvements to be made to abate the unsafe condition, or that requires the unsafe structure to be demolished within a stipulated time. Such notice shall require the person thus notified to declare immediately to the building official acceptance or rejection of the terms of the order.

114.4 Method of service. Such notice shall be deemed properly served if a copy thereof is (a) delivered to the owner personally; (b) sent by certified or registered mail addressed to the owner at the last known address with the return receipt requested; or (c) delivered in any other manner as prescribed by local law. If the

certified or registered letter is returned showing that the letter was not delivered, a copy thereof shall be posted in a conspicuous place in or about the structure affected by such notice. Service of such notice in the foregoing manner upon the owner's agent or upon the person responsible for the structure shall constitute service of notice upon the owner.

114.5 Restoration. The structure or equipment determined to be unsafe by the building official is permitted to be restored to a safe condition. To the extent that repairs, alterations or additions are made or a change of occupancy occurs during the restoration of the structure, such repairs, alterations, additions or change of occupancy shall comply with the requirements of Section 105.2.2 and Chapter 34.

114.6 Unsafe Conditions in Existing Buildings. In buildings or portions which are not under construction or under the jurisdiction of the building official shall be referred to the fire official for complaints regarding **unsafe conditions**.

SECTION 115 CABINET FOR FAMILIES AND CHILDREN AND CABINET FOR HEALTH SERVICES REGULATED BUILDINGS

115.1 Hospitals, nursing homes and the institutional Use Groups I-1 & I-2) facilities: Hospitals, nursing homes and other institutional (Use Groups I-1 & I-2) facilities licensed by the Cabinet for Families and Children or the Cabinet for Health Services and inspected under contract with the Cabinet for Families and Children or the Cabinet for Health Services by the Department of Housing, Buildings and Construction shall comply with the institutional use group requirements specified in Chapter 4, including specific references to other sections of this code, and the applicable provisions of NFPA 101 Referenced in Chapter 35 of this code.

115.2 Day Care Centers: Day care centers, which comply with the provisions of NFPA 101 listed in Chapter 35 as approved by the State Fire Marshal shall be deemed to satisfy the life safety requirements of this code.

Exception: Except those governed by Section 420 and other similar care facilities licensed by the Cabinet for Families and Children or the Cabinet for Health Services.

SECTION 116 PROOF OF INSURANCE

116.1 Compliance with law: The issuance of a building permit shall be contingent upon presentation of proof to the effect that all contractors and subcontractors employed or that will be employed in the construction, alteration or repair under the permit are in compliance with the Kentucky law relating to worker's compensation and unemployment insurance.

116.2 General Applicability: Compliance with this section shall be achieved by presenting certificates or other forms approved by law to the code official issuing the permit.

SECTION 117.0 LOCAL BOARD OF APPEAL

117.1 Local appeals board: Local appeals boards may be appointed to hear appeals from the decisions of the local code official in accordance with the provisions of Sections 121.1.1 through 121.5.

117.1.1 Appointment: The mayor or county judge executive of a local government which is enforcing the *Kentucky Building Code* may, upon approval of the local legislative body, appoint a local appeals board, consisting of at least five technically qualified persons with professional experience related to the building industry, three of which shall not be employees of the local government, to hear appeals from the decisions of the local code official regarding building code requirements.

117.1.2 Cooperative agreements: Local governments which are enforcing the *Kentucky Building Code* may cooperate with each other and provide a local appeals board and shall adhere to the provisions of KRS Chapter 65 when entering into a cooperative agreement.

117.1.3 Disqualification of member: Local code officials or employees of a local inspection department shall not sit on a local appeals board if the board is hearing an appeal to a decision rendered by the local department. A member of a local appeals board shall not hear an appeal in a case in which the member has a financial interest.

117.1.4 Right to appeal: Any party to a decision by the local code official may appeal that decision to the local appeals board. Upon receipt of an appeal from a qualified party, the local appeals board shall convene a hearing to consider the appeal within 15 days of receipt.

117.2 Notice of meeting: All parties to the appeal shall be notified of the time and place of the hearing by letter sent by certified mail not later than ten days prior to the date of the hearing.

117.3 Board decision: The local appeals board shall render a decision within five working days after the hearing. The board may uphold, amend or reverse the decision of the local code official, and there shall be no appeal from the decision of the local appeals board other than by appeal to the Board of Housing, Buildings and Construction.

117.4 Open hearing: All hearings before the board shall be open to the public. The appellant, the appellant's representative, the code official and any all persons whose interests are affected shall be given an opportunity to be heard.

117.4.1 Procedure: The board shall adopt and make available to the public through the secretary procedures under which a hearing will be conducted. The procedures shall not require compliance with strict rules of evidence but shall mandate that only relevant information be received.

117.5 Board decision: The board shall modify or reverse the decision of the code official by a concurring vote of three members.

SECTION 118.0 STATE BOARD OF APPEALS

118.1 General: All appeals from the decisions of code officials shall be conducted in accordance with the appeals provisions of KRS 198B.070. Where a local appeals board exists, a party must first appeal to the local board when aggrieved by a decision of the local code official. The board shall further hear appeals directly from a party aggrieved by the decision of an agent of the department.

118.2 Appeal by fire code official: Decisions rendered by the code official with respect to enforcement of the *Kentucky Building Code* on any building may be appealed by the local fire code official of the jurisdiction if the fire code official is aggrieved by that decision.

118.3 Method of appeal: Application for appeal by a property owner may be made when it is claimed in *writing* that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply, or an equally good or better form of construction can be used, or that the code official has refused to grant a modification to the provisions of this code covering the manner of construction or material to be used in the erection, *alteration* or repair of a building or structure.

118.4 Application procedure: Appeals to the board shall be in *writing* and shall be addressed to the Commissioner of Housing, Buildings and Construction, 1047 U.S. 127 South, Bay 1, Frankfort, KY 40601-4322; Attention: Appeals Board. The appeal shall include citations of those provisions of the *Kentucky Building Code* which are at issue, an explanation of why the decision of the state code official or local code official relative to those provisions is being contested and a copy of the decision rendered by the local appeals board, if any.

118.5 Investigation of appeal: The commissioner shall immediately notify the board or the five-member committee authorized by the board when an appeal is received. The commissioner or a designated employee of the department shall then investigate the evidence pertaining to the appeal and, based upon the results of the investigation, make written recommendations to the board or committee on the disposition of the case in question, within 30 days.

118.6 Employee deferral: Employees of the department shall not investigate or make recommendations on an appeal to his or her own decision, but shall defer in this case to employees who are not party to the decision which led to the appeal.

118.7 Investigative authority: In conducting an investigation, the commissioner or the designated representatives, acting for the department, shall have the authority to administer oaths and affirmations, issue subpoenas authorized by law, rule upon offers of proof and receive relevant evidence, take or cause depositions to be taken, regulate the course of any hearings they may schedule, and hold conferences for the settlement or simplification of the issue by consent of the parties.

118.8 Administrative hearing: Pursuant to KRS Chapter 13B, if the issue has not been settled by agreement of the parties within limitations set by Section 118.5, the Board shall schedule an administrative hearing on the matter. The cost of any appeal forwarded to the Department because there is no local appeals board shall be borne by the local government. The Department shall calculate the actual cost of processing the appeal and bill the local government at the conclusion of all proceedings.

118.9 Judicial Appeals Final orders of the Board are appealable to the Circuit Court in the county in which the property is located.

SECTION 119.0 POSTING STRUCTURES

119.1 Posting: All *signs* required by this code to be posted shall be furnished by the owner and shall be of a permanent design. The *signs* shall not be removed or defaced and, if lost, removed or defaced, shall be immediately replaced.

SECTION 120.0 EFFECTIVE DATES

120.1 General: Except as it relates to the fees required by Section 121, which shall take effect August 15, 2001, until January 1, 2002, the building official shall accept plans in compliance with the requirements of either the 1997 or 2002 edition of the *Kentucky Building Code*. Effective January 1, 2002, all plans shall be designed and submitted to conform to this code.

SECTION 121.0 PLAN REVIEW AND INSPECTION FEES FOR THE DEPARTMENT OF HOUSING, BUILDINGS AND CONSTRUCTION

121.1 General: A permit to begin work for new construction, *alteration*, removal or other building operations shall not be issued until the fees prescribed by law shall have been paid to the department, if applicable, and to the local building department. If an amendment to a permit necessitates an additional fee because of an increase in the estimated cost of the work involved, the permit shall not be approved until the additional fee has been paid.

121.2 Special fees: Payment of fees for construction, *alteration* or removal, and for all work done in connection with or concurrently with the work contemplated by a building permit shall not relieve the applicant or holder of the permit from the payment of other fees that may be prescribed by law or ordinance for water taps, sewer connections, electrical permits, erection of *signs and* display structures, marquees or other *appurtenant structures*, or fees of inspections or certificates of occupancy or other privileges or requirements established by law.

121.3 State jurisdiction: The fees for plan examination and inspection functions required by the Department of Housing, Buildings and Construction shall be as prescribed in Sections 121.3.1 through 121.3.16, as applicable.

121.3.1 Fee schedule: The fees shall be paid in accordance with Table 121.3. 1.

Fast track elective: For permit applicants seeking early site and foundation approval prior to full review of complete set of construction documents, the fee shall be that as calculated from Table 121.3.1 plus 50 percent of the full fee. The additional 50 percent fee shall not be less than

\$400 and not more than \$3,000. The entire fee shall be paid at the time of the initial plan submission.

Table 121.3.1
DEPARTMENT OF HOUSING FEE SCHEDULE

Occupancy type	Cost per sq ft (cents)
All other nonresidential	6.5 cents
Assembly	8.5 cents
Business	7.5 cents
Day care centers	7.5 cents
Educational	7.5 cents
Frozen food plants	6.5 cents
High hazard	7.5 cents
Industrial factories	6.25 cents
Institutional	8.5 cents
Mercantile	7.5 cents
Residential	7.5 cents
Warehouses	5.5 cents

121.3.2 Submission of plans and fees: All plans and specifications required to be submitted to the Department by this code shall be accompanied by the applicable fee as set forth herein, rounded to the nearest dollar.

121.3.3 Method of payment: All fees required herein shall be in check form payable to the Kentucky State Treasurer.

121.3.4 Construction approval: Approval for construction shall not be issued by the Department until all required fees have been paid.

121.3.5 New construction: Departmental plan review fees for new buildings shall be calculated by multiplying the total building area under construction by the cost per square foot of each occupancy type as listed in Table 121.3.1. Total square footage shall be determined by the outside dimensions of the building. Minimum fee for review of plans under this section shall be \$200. The fee for buildings with multiple or mixed occupancies may be calculated using the cost per square foot multiplier of the predominant use.

121.3.6 Additions to existing buildings: Plan review fees for additions to existing buildings, which shall not require the entire building to conform to the Kentucky Building Code, shall be calculated in accordance with Table 121.3.1 by the measurement of the square footage of the addition, as determined by the outside dimensions of the addition. Minimum fee for review of plans under this section shall be \$200.

121.3.7 Change in use: Plan review fees for existing buildings in which the use group or occupancy type is changed shall be calculated in accordance with Table 121.3.1 by using the total square footage of the entire building or structure under the new occupancy type as determined by the outside dimensions. Minimum fee for review of plans under this section shall be \$200.

121.3.8 Alterations and repairs: Plan review fees for alterations and repairs not otherwise covered by this fee schedule shall be calculated by multiplying the cost for the alterations or repairs by 0.0025; or calculated by multiplying the total area being altered or repaired by the cost per square foot of each occupancy type as listed in Table 121.3.1, whichever is less. The total square footage shall be determined by the outside dimensions of the area being altered or repaired. The minimum fee for review of plans under this section shall be \$200.

121.3.9 Specialized fees: In addition to the above fees, the fees in Table 121.3.9 shall be applied for the specialized plan reviews listed.

**Table 121.3.9
AUTOMATIC SPRINKLER REVIEW FEE TABLE**

NO. OF SPRINKLERS	Fee
4-20	\$150
201-300	\$175
301-400	\$210
401-750	\$250
Over 750	\$250 plus 20 cents per sprinkler over 750

121.3.10 Fire detection system review fee: Zero to 20,000 square feet shall be \$150; over 20,000 square feet shall be \$150 plus \$20 for each additional 10,000 square feet in excess of 20,000 square feet.

121.3.11 Standpipe plan review fee: \$150 (combination stand pipe and riser plans shall be reviewed under the automatic sprinkler review fee schedule).

121.3.12 Carbon dioxide suppression system review fee: One to 200 pounds of agent shall be \$150; over 200 pounds of agent shall be \$150 plus 2 cents per pound in excess of 200 pounds.

121.3.13 Clean agent suppression system review fee: Up to 35 pounds of agent shall be \$150, over 35 pounds shall be \$150 plus 6 cents per pound in excess of 35 pounds. The fee for gaseous systems shall be 5 cents per cubic foot and not less than \$150.

121.3.14 Foam suppression system review fee: \$.50 per gallon of foam concentrate where the system is not part of an automatic sprinkler system. Foam suppression system plans that are submitted as part of an automatic sprinkler system shall be reviewed under the automatic sprinkler review fee schedule. The fee for review of plans under this section shall not be less than \$150 or more than \$1,500.

121.3.15 Commercial range hood review fee: \$150 per hood.

121.3.16 Dry chemical systems review fee (except range hoods): One to 30 pounds of agent shall be \$150; over 30 pounds of agent shall be \$150 plus 25 cents per pound in excess of 30 pounds.

121.4 Local jurisdiction: Each local government shall adopt its own schedule of reasonable fees for building permits and the performance of functions under this code. The fees shall be designed to cover fully the cost of the service performed but shall not exceed the cost of the service performed.

121.5 Accounting: The code official shall keep an accurate account of all fees collected and such collected fees shall be deposited monthly in the jurisdiction treasury, or otherwise disposed of as required by law.

SECTION 122. DESIGN PROFESSIONALS

122.1 General: All construction documents required by Section 106.1 to be prepared by design professional, bear the required signature and seals as indicated in Table 122.1, located at the end of this Section.

Exception: Seals of design professionals shall not be required for tenant space alterations unless the space itself is of a size that would require the seal if it were a new building.

122.2 Special inspections: *Special inspections* shall be made as required by and in accordance with [Section 1704 of this code](#).

122.2.1 Code assurances: If construction on a building began prior to approval by the code official or the construction does not conform to the approved *construction documents* or the standards required by the code, the code official may require *special inspections* and reports if necessary to ensure safety.

122.2.2 Fees and costs: Fees and costs related to the performance of *special inspections* by professional services shall be borne by the owner.

122.3 Licensed HVAC contractors: All work involving HVAC as defined and required by KRS Chapter 198B shall be provided by a licensed Journeyman HVAC Mechanic working, under the supervision of a licensed Master HVAC Contractor. The code official may require proof of licensure when making inspections.

122.4 Quality Work: All work shall be conducted, installed and completed in a workmanlike and acceptable manner so as to secure the results intended by this code.

TABLE 122.1
DESIGN PROFESSIONAL SEALS

NOTE: Projects involving new structures, additions or renovations require design professional services when the building size or calculated occupant load exceeds the limits indicated by Table 122.1.

GROUP CLASSIFICATION OR SPECIAL USE	BUILDING SIZE ^e (square feet)	CALCULATED OCCUPANT LOAD ^e	ARCHITECT	ENGINEER	EITHER	NONE
Assembly	—	100 ^a	X	X	—	—
Business	10,000	100	X	X	—	—
Educational	Any size	Any size	X	X	—	—
Factory & industrial	20,000	—	—	—	X	—
High hazard	Any size	Any size	—	—	x	—
Institutional	Any size	Any size	X	x	—	—
Mercantile	—	100	X	X	—	—
Residential	12 dwelling units ^g	50 ^g	X	X	—	—
Storage ^c	20,000	—	—	—	X	—
Special Uses						
Church buildings ^f	6,000	400	X	X	—	—
Day care	3,500 ^b	100 ^b	X	X	—	—
Farm Structures	Any size	Any size	—	—	—	x
Mixed uses	Note c	Note c	X	X	—	x
Smaller buildings	Note d	Note d	—	—	—	x
Nonbuilding structures	—	—	—	—	—	x

For SI: 1 square foot = 0.093 m².

- a. Assembly uses having 700 square feet to 1,500 square feet may actually have calculated occupant load exceeding 100 persons depending on the specific use of assembly areas.
- b. Net floor area occupied by clients is 35 square feet per client and calculated occupant load is actually client load.
- c. Buildings having two or more different uses require both architect and engineer when the combined calculated occupant loads exceed 100 persons unless the mixed uses are exclusively used for factory, high hazard or storage.
- d. Smaller buildings of any use having total area or calculated occupant load less than specified for that use do not require design professional services.
- e. Projects involving additions to existing buildings shall include existing building areas and/or calculated occupant loads when determining requirements for design professional services. Use the actual occupant load if it is greater than the calculated occupant load.
- f. No architect or engineer is required unless the church building size reaches 6,000 total square feet and a calculated occupant load of 400 persons.
- g. The number of dwelling units shall be the determining factor except where dormitories or boarding homes are concerned. In these cases, the occupant load shall be determined by area or actual occupant load.

CHAPTER 2 DEFINITIONS

The following definitions are added or replace definitions in Chapter 2 of the International Building Code.

1. **ADAAG.** The Americans with Disability Act Accessibility Guidelines for buildings and facilities as developed by the U.S. Architectural and Transportation Barriers Compliance Board for use in new construction involving public accommodations, commercial facilities and state and local government buildings. The U.S. Department of Justice has published these standards and they are listed in Chapter 35 of this code.
2. **AGRICULTURAL, BUILDING.** A building or structure, other than one exempt from the code as a building or structure incident to the operation of a farm under Section 101.2, utilized to store farm implements, hay, feed, grain or other agricultural or horticultural products or to house poultry, livestock or other farm animals. Such structure shall not include habitable or occupiable spaces, spaces in which agricultural products are processed, treated or packaged, nor shall an agricultural building be a place of occupancy by the general public.
3. **BED-AND-BREAKFAST ESTABLISHMENT.** A building occupied as a one-family dwelling unit, but which also has additional guestrooms or suites which are used, rented or hired out to be occupied or which are occupied for sleeping purposes by persons not members of the single-family unit. The building shall be known as either a bed-and-breakfast inn or a bed-and-breakfast home.
4. **BOARD OF HOUSING OR BOARD.** The Kentucky Board of Housing, Buildings and Construction.
5. **BUILDING.** Any combination of materials, whether portable or fixed, which comprises a structure or non-mine underground area affording facilities or shelter for any human occupancy, whether infrequent or regular. The word "building" shall be construed wherever used herein as if followed by the words "or part or parts thereof, and all equipment therein," unless the context clearly requires a different meaning. "Building" shall also mean swimming pools constructed below grade on site, but not swimming pools assembled above grade on site. "Building" shall not mean a mobile home, manufactured home, farm dwelling or other farm buildings and structures incident to the operation and maintenance of the farm, if such farm structures are located outside the boundary of a municipality and are not used in the business of retail trade or used as a place of regular employment for ten (10) or more people or structures used in the storage or processing of timber products. For application of this code, each portion of a building which is completely separated from other portions by fire walls complying with Section 705 of this code shall be considered as a separate building.
6. **CHAPTER.** A chapter of the ICC International Building Code/ 2000, Chapters 1 through 35, published by the International Codes Council in cooperation with the Building Officials and Code Administrators International, Inc., 4051 West Flossmoor Road, Country Club Hills, Illinois 60478-5795.
7. **CODE OFFICIAL OR OFFICIAL.** A building inspector certified by the Department in accordance with 815 KAR 7:070 and designated by the Department or by a local government as an enforcement official for the Kentucky Building Code pursuant to KRS Chapter 198B.

- 8. COMMISSIONER.** The Commissioner of the Department of Housing, Buildings and Construction.
- 9. DEPARTMENT.** The Department of Housing, Buildings and Construction.
- 10. FARM.** Property located outside the corporate limits of a municipality on at least 10 acres and having a bona fide agricultural or horticultural use as defined by KRS 132.010(9) and (10) and qualified by and registered with the property valuation administrator in that county.
- 11. FIRE CODE OFFICIAL.** The State Fire Marshal, fire chief or other enforcement officer designated by the appointing authority of the jurisdiction for the enforcement of the provisions of KRS 227.300 and the Kentucky Standards of Safety (Fire Prevention Code) as set forth in Title 815, Chapter 10, of the Kentucky Administrative Regulations.
- 12. INDUSTRIALIZED BUILDING SYSTEM OR BUILDING SYSTEM.** As defined in KRS 198B.010(18) and shall apply to buildings of any size or use, all or any component parts of which are of closed construction made from precast concrete panels or precut wood sections fabricated to individual specifications in an off-site manufacturing facility and assembled in accordance with manufacturer's instructions.
- 13. KAR.** Kentucky Administrative Regulation.
- 14. KBC.** Kentucky Building Code as established in this chapter.
- 15. KENTUCKY STANDARDS OF SAFETY.** The Kentucky Administrative Regulations established by the Commissioner of the Department of Housing, Buildings and Construction pursuant to KRS 227.300 to serve as the fire prevention code for existing buildings as well as a supplement to this code, where applicable.
- 16. KRS.** Kentucky Revised Statutes.
- 17. MANUFACTURED HOME.** A factory built structure on a permanent chassis designed to be used as a dwelling and which is regulated by the federal government and the State Fire Marshal. These homes are required to carry a "HUD" seal applied by the manufacturer.
- 18. MODULAR HOME.** An industrialized building system which is designed to be used as a residence which is not a manufactured or mobile home.
- 19. ORDINARY REPAIR.** Any nonstructural reconstruction or renewal of any part of an existing building for the purpose of its maintenance or decoration, and shall include, but not be limited to, the replacement or installation of nonstructural components of the building such as roofing, siding, windows, storm windows, insulation, drywall or lath and plaster, or any other replacement, in kind, that does not alter the structural integrity or alter the occupancy or use of the building, or affect, by rearrangement, exits and means of egress; but shall not include additions to, or alterations of, or relocation of any standpipe, water supply, sewer, drainage, gas, soil, waste, vent or similar piping, electric wiring or mechanical equipment including furnaces and hot water heaters or other work affecting public health and safety.

- 20. SINGLE-FAMILY DWELLING.** A single unit providing complete independent living facilities for one or more persons including permanent provisions for living, sleeping, eating, cooking and sanitation, and which shall not be connected to any other unit or building.
- 21. TOWNHOUSE.** A single-family dwelling unit constructed in a group of three or more attached units in which each unit extends from foundation to roof is separated by property lines and with open space on at least two sides.
- 22. TRADE-NAME OR BRAND-NAME HOME.** A single-structure home made of precut or prefabricated panels, sections or individual pieces which are sold or prefabricated under a name that identifies both the manufacturer and a particular type of structure that the manufacturer makes, and which are assembled on a permanent foundation by conventional homebuilding and electrical and plumbing installation techniques.

CHAPTER 3 USE AND OCCUPANCY CLASSIFICATION

Amend Chapter 3 by creating new, deleting or adding to various sections, as follows:

303.1 Assembly Group A. Assembly Group A occupancy includes, among others, the use of a building or structure, or a portion thereof, for the gathering together of persons for purposes such as civic, social or religious functions, recreation, food or drink consumption or awaiting transportation. A room or space used for assembly purposes by fewer than 50 persons and accessory to another occupancy shall be included as a part of that occupancy. Assembly occupancies shall include the following:

- A-1 Assembly uses, usually with fixed seating, intended for the production and viewing of the performing arts or motion pictures including, but not limited to:
 - Motion picture theaters
 - Symphony and concert halls
 - Television and radio studios admitting an audience
 - Theaters
- A-2 Assembly uses intended for food and/or drink consumption including, but not limited to:
 - Banquet halls
 - Dance halls
 - Night clubs
 - Restaurant
 - Taverns and bars
- A-3 Assembly uses intended for worship, recreation or amusement and other assembly uses not classified elsewhere in Group A, including, but not limited to:
 - Amusement arcades
 - Art galleries
 - Auction houses
 - Auditoriums
 - Bowling Alleys
 - Churches including fellowship halls, religious education classrooms, recreation and family life centers
 - Community halls
 - Courtrooms
 - Dance halls not including food or drink consumption
 - Exhibition halls
 - Fitness clubs
 - Funeral parlors
 - Gymnasiums without spectator seating
 - Gymnastic centers without spectator seating
 - Health clubs
 - Indoor swimming pools without spectator seating
 - Indoor tennis courts without spectator seating
 - Lecture halls
 - Libraries
 - Museums

Passenger stations (waiting areas)
Pool and billiard parlors

A-4 Assembly uses intended for viewing of indoor sporting events and activities with spectator seating, including, but not limited to:

Arenas
Gymnasiums
Skating rinks
Swimming pools
Tennis courts

A-5 Assembly uses intended for participation in or viewing outdoor activities including, but not limited to:

Amusement park structures
Bleachers
Grandstands
Stadiums

307.1 Hazardous Group H. *Create new subsections to Section to read:*

“307.1.1 Referenced codes. The fire code official shall have exclusive jurisdiction for code enforcement of the storage, handling, processing and transportation of flammable and combustible liquids and other hazardous materials pursuant to 815 KAR 10:060 (Kentucky Fire Prevention Code); and fees for the installation and alteration of tanks and piping systems shall be paid in accordance with Section 307.1.2.”

“307.1.2 Flammable, combustible liquids or gases and hazardous materials plan review fee: \$100 per tank, plus \$50 for each additional tank and \$100 per piping system including valves, fill pipes, vents, leak detection, spill and overfill detection, cathodic protection or associated components.”

308.2 Group I-1. This occupancy shall include a building or part thereof housing persons, on a 24-hour basis, who because of age, mental disability or other reasons, live in a supervised residential environment that provides personal care services. The occupants are capable of responding to an emergency situation without physical assistance from staff. This group shall include, but not be limited to, the following: residential board and care facilities, half-way houses, group homes, congregate care facilities, social rehabilitation facilities, alcohol and drug centers and convalescent facilities. A facility such as the above with five or fewer persons shall be classified as Group R-3.

308.5 Group I-4, day care facilities. *Delete this section in its entirety, including subsections 308.5.1 and 308.5.2.*

310.1 Residential Group R. *Amend the lists under R-2 and R-4 to read:*

“R-2 Residential occupancies containing more than two dwelling units where the occupants are primarily permanent in nature, including:

Apartment houses
Assisted living facilities
Boarding houses (not transient)

Convents
Dormitories
Fraternities and sororities
Monasteries

“R-4 Residential occupancies shall include buildings arranged for occupancy as Residential Care Facilities including more than five but not more than 16 occupants, excluding staff.

Group R-4 occupancies shall meet the requirements for construction as defined for Group R-3 except for the height and area limitations provided in Section 503.”

310.2 Definitions. *Create or amend the following definitions to read:*

“BED-AND-BREAKFAST ESTABLISHMENT. A building occupied as a one-family dwelling unit, but which also has guestrooms or suites, which are used, rented or hired out to be occupied or which are occupied for sleeping purposes by persons not members of the single-family unit. The building shall be known as either a bed-and-breakfast inn or a bed-and-breakfast home.”

“RESIDENTIAL CARE FACILITIES. A building or part thereof housing persons, on a 24-hour basis, who because of age, mental disability or other reasons, live in a supervised residential environment which provides personal care services. The occupants are capable of responding to an emergency situation without physical assistance from staff. This classification shall include, but not be limited to, the following: residential board and care facilities, halfway houses, group homes, congregate care facilities, social rehabilitation facilities, alcohol and drug abuse centers and convalescent facilities.

“BED-AND-BREAKFAST HOME. A bed-and-breakfast establishment having five or less guestrooms or suites shall comply with the requirements of this code applicable to Use Group R-3 and with Section 421.1.”

“BED-AND-BREAKFAST INN. A bed-and-breakfast establishment having six or more guestrooms or suites shall comply with the requirements of this code applicable to Use Group R-1.”

311.3. *Delete “only” in the last sentence and replace with “not.” Sentence to read: “...include, but are not limited to, storage of the following:”*

CHAPTER 4

SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY

Amend Chapter 4 by creating new, deleting or adding to various sections, as follows:

407.1 General. *Amend to read:* “All occupancies in Group I-2 shall comply with the provisions of NFPA 101. In addition, the following sections of this code shall apply: Table 503 (Area Limitations Only), Sections 106.1.1.1, 410, 412.5, 506, 507, Chapter 6, 704, 705, 707.11, 707.12, 710, 711, 714, 716, 717, 804.4, 805, 104.3.2.4, 1006.2.2, 1003.3.3.12, Chapter 11, 1208.2, Chapter 13, Chapter 14, 2406.2, and Chapters 16 through 34.”

407.2 Deleted.

407.2.1 Deleted.

407.2.2 Deleted.

407.2.3 Deleted.

407.2.4 Deleted.

407.3 Deleted.

407.3.1 Deleted.

407.3.2 Deleted.

407.4 Deleted.

407.4.1 Deleted.

407.4.2 Deleted.

407.5 Deleted.

407.6 Deleted.

408.1 General. *Amend section and create subsections to read:* “Occupancies in Group I-3 shall comply with the provisions of this section and other applicable provisions of this code (see Section 308.4).”

408.1.1 “State Jail” Definition. “Any Use Group I-3 facility under the direct supervision and operation of the Commonwealth of Kentucky. State jails shall comply with Sections 408.2 through 408.8 of this code.

408.1.1.1 “Local Jail” Definition. Any Use Group I-3 facility under the supervision of a county, regional jail authority, city or urban county government. Local jails shall comply with the special requirements of Section 408.9, Local jails, in addition to the requirements of Sections 408.2 through 408.8 of this code.

For the purpose of applying the special requirements of Section 408.9 for local jails the following definitions shall be applicable:

1. **Jail.** Jail means county jails and correctional or detention facilities, including correctional facilities defined in KRS 67B.020 which are operated under 501 KAR 3:010 by and under the supervision of any county, regional jail authority, city or urban county government.
2. **Restricted Custody Center.** Restricted custody center means a facility or area separate from the jail used for the housing of sentenced inmates who have been approved for educational, work or program participation release and pretrial inmates who have been approved by the court for educational, work or program participation release and operated under 501 KAR 7:010.
3. **Life Safety Jail.** Life Safety Jail means county jails and correctional or detention facilities, including correctional facilities defined in KRS 67B.020 which are operated under 501 KAR 13:010 by and under the supervision of any county government which does not house state prisoners as defined by KRS 532.100.
4. **Inmate Living Area.** Those areas where inmates are normally confined and where their movement is restricted by penal doors, including cells, dayrooms, dormitories, detoxification cells, isolation cells and temporary holding cells.
5. **Penal Door.** A door required by the Kentucky Jail Standards to enclose inmate living area or restrict inmate movement through other areas of a local jail.”

408.9 Local jails. *Create a new Section and subsections to read:* “Local jails shall comply with the requirements of this section and where conflicts exist with other requirements of this code, this section shall take precedent. Local jails shall be further classified as one of the following:”

“408.9.1 Emergency smoke control/ evacuation. In all areas of Jails and Life Safety Jails where an inmate may be confined, shall be provided with an emergency smoke control/ evacuation system meeting the requirements of this section. The system shall be activated by smoke detectors and shall be connected to an emergency power supply. The system shall be engineered as an independent system or may be engineered to work in conjunction with the building HVAC system.”

“408.9.1.1. Design. All floors which house inmates shall be designed to have a minimum of two smoke compartments of approximately equal size and separated by a smoke barrier wall constructed in accordance with Section 709 of this code. The smoke control system shall be capable of maintaining a negative pressure in the contaminated smoke compartment. The smoke control system shall be capable of six- (6) air changes per hour. The plan review of the system; the operation of the system and the final operational test shall be subject to approval by the Department of Corrections. “

“408.9.2 Automatic sprinkler system. In all areas of Jails and Life Safety Jails where inmates will not be confined, including but not limited to corridors, storage areas, laundry rooms, mechanical rooms, closets and office areas shall be equipped with an automatic sprinkler system installed in accordance with Section 903.3.1.1. Facilities that are equipped with an automatic sprinkler system as required by this section and an emergency smoke control/ evacuation system as required by Section 408.9.1 are entitled to all height or area increases; and other reductions of code requirements normally allowed for fully sprinkled buildings. “

“408.9.3 Mixed use buildings. Where a Jail or Life Safety Jail is attached to; located above or below another occupancy or is otherwise a part of a building not of the I-3 occupancy, the building shall comply with Section 302.3.3 or Section 705.1 of this code. The Jail or Life Safety Jail shall be separated from all other occupancies with fire-resistant construction of not less than 2-hours.”

“408.9.4 Doors and glazing. The Department of corrections shall approve penal doors in Jails and Life Safety Jails. Glass-clad polycarbonate glazing shall be an acceptable alternate to wired glazing. All door openings that do not require a penal door and hardware shall be protected by opening protectives as required by other sections of this code.”

“408.9.5 Restricted Custody Centers. All restricted custody centers attached to or separate from a jail shall be considered as **Occupancy Condition 1** and shall have free egress or automatic time delayed emergency release doors with a maximum time delay of thirty- (30) seconds. “

“408.9.5.1 Automatic sprinkler system. All restricted custody centers attached to or separated from a jail shall be equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1.”

“408.9.6 Existing facilities. All existing Jails, Life Safety Jails and Restricted Custody Centers, which are in operation and have prior approval from the Department of Corrections shall be exempt from these requirements until such time the facilities are renovated.”

409.1.1 Projection room required. *Amend to read:* “Every motion picture machine projecting film as mentioned within the scope of this section shall be enclosed in a projection room.

412.5.6 Rooftop heliports and helistops. *Amend to read:* “Rooftop heliports and helistops shall comply with NFPA 418. Heliports may be erected on buildings or other locations if they are approved by the Federal Aviation Administration and are constructed in accordance with this chapter.”

415.7.1 Combustible dusts, grain processing and storage. *Amend reference to NFPA 8503 to read* “NFPA 85 and the Kentucky Fire Prevention Code.”

415.7.2.3 Tanks. *Amend to read:* “Storage tanks shall be approved tanks conforming to the requirements of the Kentucky Fire Prevention Code.”

415.7.2.5 Leakage containment. *Amend the Exception to read:*

“Exception: In rooms where only double-wall storage tanks are used to store Class 1, 2 and 3 liquids, flammable and combustible liquids shall not be required to have a leakage containment area.”

415.7.3 Liquefied petroleum gas distribution facilities. *Amend to read:* “The design and construction of propane, butane, propylene, butylene and other liquefied petroleum gas distribution facilities shall conform to the applicable provisions of Sections 415.7.3.1 through 415.7.3.5.2. The storage and handling of liquefied

petroleum gas systems shall conform to the Kentucky Fire Prevention Code and NFPA 58 listed in Chapter 35. The design and installation of piping, equipment and systems that utilize liquefied petroleum gas shall be in accordance with the applicable provisions of NFPA 54. Liquefied petroleum gas distribution facilities shall be ventilated in accordance with the International Mechanical Code and Section 415.7.3.1.”

419 Swimming Pools. *Create a new Section and subsections to read:*

“419.1 General. Swimming and bathing pools shall conform to the requirements of this section, provided that these regulations shall not be applicable to any such pool less than 24 inches (610 mm) deep or having a surface area less than 250 square feet (23.25 m²), except where such pools are permanently equipped with a water-recirculating system or involve structural materials. For the purpose of this code, pools are classified as private swimming pools or public swimming pools, as defined in Section 419.2. Materials and constructions used in swimming pools shall comply with the applicable requirements of this code.”

“419.2 Definitions. The following words and terms shall, for the purposes of this section and as used elsewhere in this code, have the meanings shown herein.

POOLS, SWIMMING, HOT TUBS AND SPAS

BARRIER. A fence, a wall, a building wall, or combination thereof, which completely surrounds the swimming pool and obstructs access to the swimming pool.

HOT TUB. See definition of private swimming pool.

IN-GROUND POOL. See definition of private swimming pool.

POWER SAFETY COVER. A pool cover, which is placed over the water area, and is opened and closed with a motorized mechanism, activated by a control switch.

PRIVATE SWIMMING POOL. Any structure that contains water over 24 inches (610 mm) deep and which is used, or intended to be used, for swimming or recreational bathing in connection with an occupancy in Use Group R-3 and which is available only to the family and guests of the householder. This includes swimming pools constructed below grade on site, but not those assembled above grade on site.

PRIVATE SWIMMING POOL, INDOOR. Any private swimming pool that is totally contained within a private structure and surrounded on all four sides by walls of said structure.

PRIVATE SWIMMING POOL, OUTDOOR. Any private swimming pool that is not an indoor pool.

PUBLIC SWIMMING POOL. Any swimming pool constructed below grade on site, which is not a private swimming pool.

SPA. See definition of private swimming pool.”

“419.3 Permits, pool occupant load calculations and construction documents. A swimming pool or appurtenances thereto shall not be constructed, installed, enlarged or altered until construction documents have been submitted and a permit has been obtained from the code official having jurisdiction in accordance with Sections 117.1 and 118.1 of this code. The occupant load calculations of Section 419.3.1 shall be used for the purpose of determining the jurisdiction and design professional seal requirements. The approval of all city, county and state authorities having jurisdiction over swimming pools shall be obtained before applying to the code official for a permit. Certified copies of these approvals shall be filed as part of the supporting data for the permit application. ”

“419.3.1 Pool occupant load calculations. The occupant load of the swimming pool, appurtenances and accessory structures shall be computed at a rate of one occupant per unit of area as prescribed by this section.”

**Table 419.3.1
POOL OCCUPANT LOAD**

Occupancy	Net area in square feet Per occupant
Nonswimmer area (5 feet or less water depth)	10
Swimmer area (Greater than 5 feet of water depth Note: Subtract 300 square feet for each diving area.	24
Bathhouse & sunbather area (In excess of 8 feet wide deck)	25

“419.3.2 Construction documents. Construction documents shall accurately show dimensions and construction of the pool and appurtenances and properly established distances to lot lines, buildings, walks and fences, as well as details of the water supply system, drainage and water disposal systems, and all appurtenances pertaining to the swimming pool. Detailed construction documents of structures, vertical elevations and sections through the pool showing depth shall be included.”

“419.4 Locations. Private swimming pools shall not encroach on any front or side yard required by this code or by the governing zoning law, unless in accordance with specific rules of the jurisdiction in which the pool is located. A wall of a swimming pool shall not be located less than 6 feet (1829 mm) from any rear or side property line or 10 feet (3048 mm) from any street property line, unless in accordance with the specific rules of the jurisdiction in which the pool is located.”

“419.5 Structural design: The pool structure shall be engineered and designed to withstand the expected forces to which the pool will be subjected.”

“419.5.1 Wall slopes: To a depth up to 2 feet 9 inches (838 mm) from the top, the wall slope shall not be more than one unit horizontal in five units vertical (1:5).”

“419.5.2 Floor slopes: The slope of the floor on the shallow side of the transition point shall not exceed one unit vertical to seven units horizontal (1:7). For public pools greater than 1,200 square feet (111.6 m²), the slope of the floor on the shallow side of the transition point shall not exceed one unit vertical to ten units horizontal (1:10). The transition point between shallow and deep water shall not be more than 5 feet (1524 mm) deep.”

“419.5.3 Walkways: All public swimming pools shall have walkways not less than 4 feet (1219 mm) in width extending entirely around the pool. Curbs or sidewalks around any swimming pool shall have a slip-resistant surface for a width of not less than 1 foot (305 mm) at the edge of the pool, and shall be so arranged as to prevent return of surface water to the pool.”

419.5.4 Steps and ladders At least one *means of egress* shall be provided from private pools. Public pools shall provide ladders or other *means of egress* at both sides of the diving section and at least one *means of egress* at the shallow section; or at least one *means of egress* in the deep section and the shallow section if diving boards are not provided. Treads of steps and ladders shall have slip-resistant surfaces and handrails on both sides, except that handrails are not required where there are not more than four steps or where the steps extend the full width of the side or end of the pool. Treads and risers of the pool steps shall conform to the following:

1. Step treads shall have a minimum unobstructed horizontal depth of 10 inches (254 mm) and a minimum unobstructed surface area of 240 square inches (0.15m²).
2. Risers shall have a maximum uniform height of 12 inches (305mm) as measured at the centerline of the tread. The height of the bottom riser shall not vary more than plus or minus 2 inches (51mm) from the uniform riser height.”

“419.6 Water supply: All swimming pools shall be provided with a potable water supply, free of cross connections with the pool or its equipment.”

“419.6.1 Water treatment: Public swimming pools are regulated by the Cabinet for Health Services, Department of Public Health, for purposes of water distribution and treatment systems and the proper operation and maintenance of all pool facilities (see 902 KAR 10:120, Kentucky Public Swimming and Bathing Facilities Regulation). Private swimming pools shall be designed and installed so that there is a pool water turnover at least once every 18 hours, Filters shall not filter water at a rate in excess of 5 gallons per minute per square foot (205L/min/m²) of surface area. The pool *owner* shall be instructed in the care of maintenance of the pool by the supplier or builder, including treatment with high-test calcium hypochlorite (dry chlorine), sodium hypochlorite (liquid chlorine) or equally effective germicide and algicide and the importance of proper pH (alkalinity and acidity) control.”

“419.7 Appurtenant structures: All *appurtenant structures*, installations and equipment, such as showers, dressing rooms, equipment houses or other buildings and structures, including plumbing, heating and air conditioning systems, shall comply with all applicable requirements of this code.”

“419.7.1 Accessories: All swimming pool accessories shall be designed, constructed and installed so as not to be a safety hazard. Installations or structures for diving purposes shall be properly anchored to insure stability.”

“419.8 Equipment installations: Pumps, filters and other mechanical and electrical equipment for public swimming pools shall be enclosed in such a manner as to provide access only to authorized persons and not to bathers. Construction and drainage shall be arranged to avoid the entrance and accumulation of water in the vicinity of electrical equipment.”

“419.8.1 Protection of heating equipment: Gas appliances located in rooms or spaces where corrosive or flammable chemicals are present shall be protected in accordance with Section 5.1.6 and 6.22.1 of NFPA 54.”

419.9 Enclosures for public and private swimming pools. Public and private swimming pools shall be provided with an enclosure surrounding the pool area. The enclosure shall meet the provisions of Sections 419.9.1 through 419.9.3.

419.9.1 Enclosure. The enclosure shall extend not less than 4 feet (1219 mm) above the ground. All gates shall be self-closing and self-latching with the latches placed at least 4 feet (1219 mm) above the ground.

Exception. The following shall be exempt from the provisions of this section:

1. A spa or hot tub with an approved safety cover.
2. Fixtures that are drained after each use.

419.9.2 Approved barriers. Barriers shall be designed so as to prevent uninvited persons from intruding into the pool area. Enclosures shall be designed to withstand a horizontal concentrated force load of 200 pounds (896 N) applied on a 1-square-foot (0.093 m²) area at any point of the fence enclosure. Compliance with the following criteria shall constitute a safe barrier:

1. The top of the barrier shall be at least 48 inches (1219 mm) above the finished ground level when measured on the side of the barrier, which faces away from the swimming pool. The maximum vertical clearance between the finished ground level and the barrier shall be 2 inches (51 mm) measured on the side of the barrier, which faces away from the swimming pool.
2. Openings in the barrier shall not allow the passage of a 4-inch (102-mm) diameter sphere.
3. Solid barriers shall not contain indentations or protrusions except for normal construction tolerances and tooled masonry joints.
4. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is less than 45 inches (1143 mm), the horizontal members shall be located on the swimming pool side of the barrier. Spacing between vertical members shall not exceed 1.75 inches (44 mm) in width.

5. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is more than 45 inches (1143 mm), spacing between vertical members shall not exceed 4 inches (102 mm). Decorative cutouts shall not exceed 1.75 inches (44 mm) in width.
6. Maximum mesh size for chain link fences shall be a 1.25 inch (32 mm) square unless the fence is provided with slats fastened at the top or the bottom which reduce the openings to not less than 1.75 inches (44 mm).
7. Where the barrier is composed of diagonal members, such as a lattice fence, the maximum opening formed by the diagonal members shall be not more than 1.75 inches (44 mm).

419.9.3 Private swimming pool enclosures.

1. An indoor private pool enclosure may consist of the walls of the house including any entrance and exit doors, screens or glass separations designed for the purpose of preventing uninvited persons from entering the pool.
2. An exterior private pool enclosure may surround the pool area only or it may surround a larger area if the barrier prevents uninvited persons from entering the pool.

“419.10 Diving boards: Minimum water depths and distances for diving hoppers for pools, based on board height above water, shall comply with Table 419.10(1) for public pools and Table 419.10(2) for private pools.

The maximum slope permitted between point D₂ and the transition point shall not exceed one unit vertical to three units horizontal (1:3) in private and public pools. D₁ is the point directly under the end of the diving boards D₂ is the point at which the floor begins to slope upwards to the transition point (see Figure 419.10).”

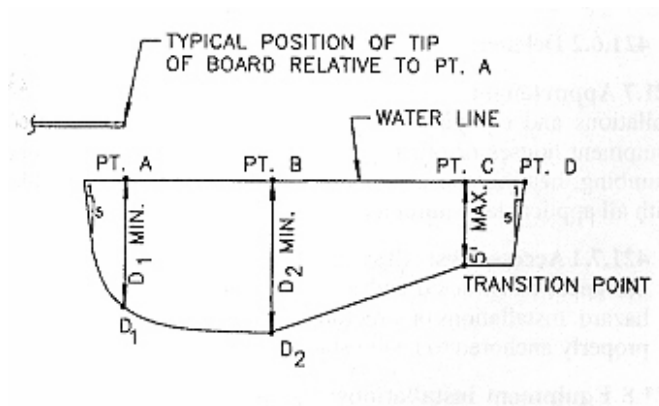


Figure 419.10

**MINIMUM WATER DEPTHS AND DISTANCES BASED ON BOARD
HEIGHT FOR PUBLIC AND PRIVATE POOLS**

Table 419.10(1)
MINIMUM WATER DEPTHS AND DISTANCES BASED ON BOARD
HEIGHT FOR PUBLIC POOLS

Board Height	Minimum depth ^a at D ₁ directly under end of board	Distance ^a Between D ₁ and D ₂	Minimum depth ^a at D ₂
2'2" (2/3 meter)	7'0"	8'0"	8'6"
2'6" (3/4 meter)	7'6"	9'0"	9'0"
1 meter	8'6"	10'0"	10'0"
3 meter	11'0"	10'0"	12'0"

Note a. 1 foot = 304.8 mm.

Table 419.10(2)
MINIMUM WATER DEPTHS AND DISTANCES BASED ON BOARD
HEIGHT FOR PRIVATE POOLS

Board Height	Minimum depth ^a at D ₁ directly under end of board	Distance ^a Between D ₁ and D ₂	Minimum depth ^a at D ₂
1'8 (1/2 meter)	6'0"	7'0"	7'6"
2'2" (2/3 meter)	6'10"	7'6"	8'0"
2'6" (3/4 meter)	7'5"	8'0"	8'0"
3'4" (1 meter)	8'6"	9'0"	9'0"

Note a. 1 foot = 304.8 mm.

Section 420, Day Care Centers. *Create a new Section to read:*

“420.1 Scope: The provisions of this section shall apply to buildings or structures or portions thereof, required to be licensed as a day care center, which are classified in Chapter 3 under Use Group E. Except as specifically modified by Sections 420.1 through 420.12, day care centers shall meet all applicable provisions of this code.

Exception: After school programs that **are** also licensed day care centers and are located in schools, shall not be made to comply with the requirements of this section where all clients of the day care and after school program are also students of that school.”

“420.2 Location and construction: Day care centers shall be limited to the location/construction types specified in Table 420.2.”

TABLE 420.2
LOCATION/CONSTRUCTION TYPE LIMITATIONS

Location of day care	Sprinkled building	Construction type permitted
1 story below LED	Yes	Any type other than 3B & 5B
Story of exit discharge	No	Any type
1 story above LED	Yes	Any type
	No	1A, 1B
2 or 3 stories above LED	Yes	Any type other than 3B, 4, & 5B
>3 stories above LED	Yes	1A, 1B, 2A
but not high rise		
High Rise	Yes	1A, 1B

“420.2.1 Smoke barriers: Where day care centers with clients 24 months or less in age or incapable of self-preservation are located one or more stories above the level of exit discharge or where day care centers are located two or more stories above the level of exit discharge, smoke barriers shall be provided to divide such stories into a minimum of two smoke compartments. The smoke barriers shall be constructed in accordance with section 709 but shall not be required to have a fire-resistance rating.”

420.3 Mixed use. Where centers are located in a building containing another occupancy, the occupancy shall be completely separated from the day care center by fire barriers having a fire-resistance-rating not less than 1-hour.

Exceptions

1. In assembly occupancies used primarily for worship.
2. Centers in apartment buildings.
 - 2.1 If the two exit accesses from the center enter the same corridor as the apartment occupancy, the *exit accesses* shall be separated in the *corridor* by a smoke barrier having not less than a 1-hour fire-resistance rating constructed in accordance with Section 709. The smoke barrier shall be so located that there is an *exit* on each side of it.
 - 2.2 The door in the smoke barrier shall be not less than 36 inches (914 mm) wide.”

“420.3.1 Accessory uses: Any heating equipment in spaces occupied by children shall be provided with partitions, screens, or other means to protect children under 6 years of age from hot surfaces and open flames.”

“420.4 Client load: The client load established for any floor or floors shall be computed at a rate of 1 person for each 35 square feet (3.25 m²) of net floor area occupied by the persons being cared for who shall otherwise be referred to in this code as “clients.”

“420.5 Egress: Each floor occupied by clients shall have not less than two remote *exits*. A *mezzanine* shall be considered a floor for the purpose of this Section.”

“420.5.1 Length of travel (travel distance): Travel distances shall be as follows:

1. The travel distance between any room door intended as *exit access* and an exit shall not exceed 100 feet (30480 mm).
2. The travel distance between any point in a room and an *exit* shall not exceed 150 feet (45720 mm).
3. The travel distance between any point in a sleeping room and an *exit* access door of that room shall not exceed 50 feet (15240 mm).

Exception: The travel distance in Item Nos. 1 and 2 of this section may be increased by 50 feet (15240 mm) in buildings protected throughout by an approved, supervised *automatic sprinkler system*.”

“420.5.2 Corridor width: The minimum width of *exit access corridors* shall be 44 inches (1118 mm).

Exceptions:

1. Thirty-six inches (914 mm) where serving an occupant load of 50 or less.
2. The width required for capacity as determined by Section 1003.2.3.”

“420.5.3 Interior corridors: All *corridors* shall be 1-hour fire-resistance rated. The *corridor* walls shall comply with Section 708.

Exceptions:

1. This *corridor* protection shall not be required when all classrooms served by the *corridors* have at least one door directly to the outside or to an exterior balcony constructed in accordance with Section 1004.3.3.
2. As allowed by Section 1004.3.2.1
3. Toilet rooms need not be separated from the corridors, provided they are separated from all other spaces by fire partitions having not less than a 1-hour fire-resistance rating in accordance with Section 708.”

“420.5.4 Special features:

1. Every closet door latch shall be such that children can open the door from inside the closet.
2. Every bathroom door lock shall be designed to permit opening of the locked door from the outside in an emergency.”

“420.6 Protection from hazards: Cooking appliances and food preparation areas shall be protected in accordance with Sections 420.6.1 through 420.6.3.”

“420.6.1 Commercial cooking appliance: When a day care center has commercial cooking appliances such as ranges, deep fryers and/or a griddle, both of the following shall apply:

1. The kitchen or room in which the appliance(s) is located shall be enclosed by non-fire-resistance rated walls and ceiling designed to resist the passage of smoke. Pass-through openings and door openings shall be equipped with an assembly, which will screen possible flash fires from view.
2. All cooking appliances shall be protected by a commercial exhaust system designed and installed in accordance with the mechanical code listed in Chapter 35.”

“420.6.2 Domestic cooking appliance: When a day care center has a domestic range with food preparation which does not produce grease-laden vapors, one of the following shall apply:

1. The kitchen or room in which the appliance is located shall be enclosed by a 1 -hour fire *partition* constructed in accordance with Section 708. A range hood exhaust and suppression system is not required in this situation; or
2. The kitchen or room in which the appliance is located shall comply with Section 420.6.1, Item Nos. 1 and 2.”

“420.6.3 Non-grease-producing cooking appliances: Day care centers using non-grease-generating cooking appliances such as microwave ovens, wall ovens and crock pots, shall locate these appliances so as not to be accessible to the clients.”

“420.7 Interior finish: All walls and ceilings shall have a Class I or Class II finish rating in accordance with ASTM E84 listed in Chapter 35.”

“420.7.1 Floor finish: All floor coverings within a *corridor* and *exit* shall be Class I or Class II in accordance with ASTM E648 listed in Chapter 35.”

“420.8 Fire protective signaling system: A manual fire alarm system shall be provided throughout the center.

Exceptions:

1. Day care centers housed in one room.
2. Day care centers with a calculated client occupant load less than 50.”

420.9 Automatic fire detection system: Automatic smoke detection systems shall be provided throughout all the day care centers regulated by Section 420.1. **The automatic smoke detectors shall be provided** in the following locations:

1. On the ceiling in front of the doors to stairways;
2. At no greater **spacing** than **30-feet (9144 mm)** in the corridors of all floors containing the center; and
3. In all rooms within the center that are classified as a habitable space or an occupiable space in accordance with Section 202 of this code.

Exceptions:

1. **Centers housed in one room.**
2. **Hard-wired, single-station smoke detectors may be installed in day care centers with a calculated client occupant load of less than 50, provided the detectors can be heard throughout the center.**

“420.10 Engineers/architects law: Plans for the construction or redesign of centers having a client load calculated pursuant to Section 420.4 which exceeds 100 shall bear the seal and signature of a Kentucky licensed architect and engineer.”

“420.11 Barrier-free design: All new work shall comply with the applicable provisions of Chapter 11.

Exception: Church-operated day care centers.”

421, Bed And Breakfast Establishments. *Create a new Section to read:*

“421.1 Bed-and-breakfast homes: *Create a new Section to read:* In addition to the requirements of Section 310.2.1, bed-and-breakfast homes shall comply with the following conditions:

1. All hallways and *means of egress* serving guestrooms shall be permanently illuminated and emergency lighting shall be provided.
2. The maximum overnight guest occupant load shall be 10 and it shall be posted.
3. Interconnected smoke alarms shall be provided in accordance with Sections 907.2.10.1.2, 907.2.10.2 and 907.2.10.3.
4. Each door between guest sleeping rooms and the main egress hallway or *corridor* shall be equipped with an approved self-closing device.
5. There shall be two remote *exits* to the outside from the ground floor.”

“421.2 Bed-and-breakfast inns: Bed-and-breakfast inns shall comply with Section 310.2.2.”

CHAPTER 5 GENERAL BUILDING HEIGHTS AND AREA

Amend Chapter 5 by creating new, deleting or adding to various sections, as follows:

503.1 General. *Create an Exception under 503.1, to read:*

“Exception: Day care center location and construction type shall be further limited in accordance with Table 420.2 in addition to compliance with the height and area limitations of Table 503 for the building construction type.”

506.1 *In the definition for “ I_f ” delete “(percent)”. Definition to read: “Area increase due to frontage as calculated in accordance with Section 506.2”.*

506.2 Frontage increase. Every building shall adjoin or have access to a public way to receive an area increase for frontage. Where a building has more than 25 percent of its perimeter on a public way or open space having a minimum width of 20 feet (6096 mm), the frontage increase shall be 2 percent for each 1 percent of excess frontage and shall be determined in accordance with the following:

$$I_f = 100 \left[\frac{F}{P} - 0.25 \right] \frac{W}{30} \underline{\times 2}$$

Where

I_f = Area increase due to frontage.

F = Building perimeter which fronts on a public way or open space having 20 feet (6096 mm) open minimum width (feet).

P = Perimeter of entire building (feet).

W = Minimum width of public way or open space (feet).

506.3 Automatic sprinkler system increase. Where a building is protected throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1, the area limitation in Table 503 is permitted to be increased by 200 percent ($I_s = 200$) for multistory buildings and 300 percent ($I_s = 300$) for single-story buildings.

Exception: Group H-1, H-2 or H-3.

507.2 Sprinkled, one story. The area of a one-story, Group A-4, B, F, M or S building shall not be limited when the building is provided with an automatic sprinkler system throughout in accordance with Section 903.3.1.1 and is surrounded and adjoined by public ways or yards not less than 60 feet (18288) in width.

Exceptions:

1. Buildings and structures of Types I and II construction for rack storage facilities, which do not have access by the public shall not be limited in height provided that such buildings conform to the requirements of Section 507.1 and NFPA 231C.
2. The automatic sprinkler system shall not be required over the spectator seating area or in areas occupied for indoor participant sports, such as tennis, skating, swimming and equestrian activities, in occupancies in Group A-4, provided that:
 - 2.1 Exit doors directly to the outside are provided for occupants of the participant sports areas;
 - 2.2 The building is equipped with a fire alarm system with manual fire alarm boxes installed in accordance with Section 907; and
 - 2.3 All other areas of the building shall be protected with an automatic sprinkler system.
3. Unlimited area Group M buildings may have tenant spaces of Group A-2 and Group A-3 assembly occupancies, provided the area of the tenant space does not exceed the allowable area permitted by Section 503. The assembly occupancy tenant space shall be separated from adjacent tenants by I-hour tenant separation walls. The aggregate area of assembly occupancies located within the building shall not exceed 10 percent of the total building area.
4. Buildings of assembly occupancy Group A-3 used exclusively as auditoriums, exhibition halls, health clubs, fitness clubs, gymnastic clubs, passenger station waiting areas or gymnasiums, indoor swimming pools, and indoor tennis courts without spectator seating, shall not be limited in area in accordance with this section.

507.3 Two-story. The area of a two-story, Group B, F, M or S building shall not be limited when the building is provided with an automatic sprinkler system throughout in accordance with Section 903.3.1.1, and is surrounded by public ways or yards not less than 60 feet (18288 mm) in width.

507.3.1 Two-story Group A-3 occupancies. The area of a two-story assembly occupancy of Group A-3 occupied exclusively as auditoriums, exhibition halls, health or fitness clubs, gymnastic clubs, passenger station waiting areas or gymnasiums, indoor swimming pools, and indoor tennis courts without spectator seating shall not be limited, provided that:

1. The building shall be provided with an automatic sprinkler system throughout in accordance with Section 903.3.1.1.
2. The building is equipped with a fire alarm system with manual fire alarm boxes installed in accordance with Section 907.
3. The building is surrounded by public ways or yards not less than 60 feet (18288 mm) in width.

508.9 Day care centers within buildings having other use groups or constructed as separate buildings. *Create a new subsection to read:* “Day care centers shall be limited to the height and area limits of Table 503 for the occupancy group and construction type and shall be further limited as to location and permissible construction type in accordance with Table 420.2 of this code.”

CHAPTER 6, TYPES OF CONSTRUCTION.

Table 601. At requirement for roof construction under Type IIB *delete* the reference to note “c.”

CHAPTER 7 FIRE-RESISTANCE-RATED CONSTRUCTION

Amend Chapter 7 by creating new, deleting or adding to various sections, as follows:

703.3 Alternative methods for determining fire resistance. *Amend as follows:*

1. Delete paragraphs 2 and 3 in their entirety.
2. In paragraph 5, replace reference to Section 104.11 with “103.16.”

704.11 Parapets. *Amend Exception 6 to read:*

“6. Where the wall is permitted to have at least 25 percent of the exterior wall areas containing unprotected openings based on the fire separation distance as determined in accordance with Section 704.8.”

705.3 Materials. *Amend 705.3 and the Exception to read:* “Fire walls shall be constructed of approved masonry or concrete materials that provide the strength and fire-resistance rating as specified by this code.

Exception: Fire walls and party walls utilized in Group R-3 shall be permitted to be constructed with any approved noncombustible materials that provide the required strength and fire-resistance rating as specified in this code.”

707.14.1 Elevator lobby. *Amend Exception 4 to read:*

“4. In other than Groups I-2 and I-3, and buildings with occupiable floors more than four stories above the lowest level of fire department vehicle access, lobby separation is not required where the building, including the lobby and corridors leading to the lobby, is protected by an automatic sprinkler system installed throughout in accordance with Section 93.3.1.1 or 903.3.1.2.”

716.3.2 Groups R-1, R-2, R-3 and R-4. *Amend only the main paragraph to read:* “Draftstopping shall be provided in floor/ceiling spaces in Group R-1 buildings, in Group R-2 buildings as applicable in Section 101.2 with three or more dwelling units, in Group R-3 buildings as applicable in Section 101.2 with two dwelling units and in Group R-4 buildings. Draftstopping shall be located above and in line with the guestroom, dwelling unit and tenant separations.”

716.4.2 Groups R-1 and R-2. *Amend the main paragraph and add Exception 5 to read:* “Draftstopping shall be provided in attics, mansards, overhangs or other concealed roof spaces of Group R-2 buildings with three or more dwelling units and in all Group R-1 buildings. Draftstopping shall be installed above, and in line

with tenant, guestroom and dwelling unit separation walls that do not extend to the underside of the roof sheathing above.”

“5. When tenant, guestroom and dwelling unit separation walls are constructed to the underside of a fire-resistance-rated floor/ceiling assembly or to a ceiling with a 60-minute finish rating, the attic draftstopping complying with Section 716.4.3 shall be deemed equivalent.”

719.1 General. *Delete in its entirety.*

720.1 General. *Delete in its entirety.*

CHAPTER 8

INTERIOR FINISHES

No changes

CHAPTER 9

FIRE PROTECTION SYSTEMS

Amend Chapter 9 by creating new, deleting or adding to various sections, as follows:

901.6.2 Fire alarm systems. *Create two new Exceptions to read:*

- “3. Day care centers with 100 or less clients.
- 4. Churches or other similar religious facilities.”

901.6.3 Group H. *Delete the Exception to this subsection in its entirety.*

902.1 *Amend by deleting the definition of “Constantly Attended Location”.*

903.2.1.1 Group A-1. An automatic sprinkler system shall be provided throughout a fire area containing a Group A-1 occupancy where one of the following conditions exists:

- 1. The fire area exceeds 12,000 square feet (1115 m²).
- 2. The fire area is located on a floor other than the level of exit discharge.

903.2.1.3 Group A-3. *Amend to read:* “An automatic sprinkler system shall be provided throughout a fire area containing a Group A-3 occupancy where one of the following conditions exists:

- 1. The fire area exceeds 12,000 square feet.
Exception: Churches and similar religious facilities.
- 2. The fire area is located on a floor other than the level of exit discharge.”

903.2.1.4 Group A-4. An automatic sprinkler system shall be provided throughout a fire area containing a Group A-4 occupancy where one of the following conditions exists:

- 1. The fire area exceeds 12,000 square feet (1115 m²).
- 2. The fire area is located on a floor other than the level of exit discharge.

903.2.8 Group R-2. *Amend to read:* “An automatic sprinkler system shall be provided throughout all buildings with a Group R-2 fire area where more than two stories in height, including basements.

Exception: A residential sprinkler system installed in accordance with Section 903.3.1.2 shall be allowed in buildings, or portions thereof, of Group R-2.”

903.3.5 Water supplies. *Amend to read:* “Water supplies for...The potable water supply shall be protected against backflow by two (one-way) check valves, one of which may be an alarm check valve, installed at the point where the automatic sprinkler system piping is connected to the domestic water piping.”

903.3.7 Fire department connection. *Amend to read:* “The location of fire department connection shall be visible on a street front or in a location approved by the fire department. Such location shall be located so that immediate access is provided to the fire department. Fire department connections shall not be obstructed by fences, brush, trees, walls, or any other similar object.”

903.4.1 Signals. *Delete the language* “or when approved by the building official, shall sound an audible signal at a constantly attended location.” *in this subsection.*

904.3.1 Electrical wiring. *Amend to read:* “Electrical wiring shall be in accordance with the NFPA 70 National Electrical Code.”

904.12 Water mist systems. *Create a new subsection to read:* “Water mist fire-extinguishing systems shall be installed, maintained, periodically inspected and tested in accordance with NFPA 750 and their listing.”

905.1 General. *Amend to read:* “Standpipe systems shall be provided in new buildings and structures in accordance with this section. Firehose threads used in connection with standpipe systems shall comply with NFPA 1963 or an otherwise approved and shall be compatible with the fire department threads. The location of fire department hose connections shall be located and shall be visible on a street or in a location approved by the fire department. Such connections shall be located so that immediate access is provided to the fire department. Fire department hose connections shall not be obstructed by fences, brush, trees, walls or any other similar objects.”

905.2 Installation standards. Standpipe systems required by this code shall be installed in accordance with this section and NFPA 14 as referenced in Chapter 35 of this code.

905.2.1 Piping design. The riser piping, supply piping and the water service piping shall be hydraulically designed or pipe scheduled in accordance with NFPA 14 as referenced in Chapter 35 of this code. The system piping shall be sized to maintain the minimum residual pressure of 100 psi (6.9 bar) at the outlet of the hydraulically most remote 2 ½-inch (63.5-mm) hose connection and 65 psi (4.5 bar) at the outlet of the hydraulically most remote 1 ½-inch (38.1-mm) hose station.

Exception: The residual pressures of 100 psi (6.9 bar) and 65 psi (4.5 bar) are not required in buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 and where the highest floor level is not more than 150 feet (45720-mm) above the lowest level of fire department vehicle access.

905.3.5 Stages. *Amend to read:* “Stages greater than 1,000 square feet in area (93m²) and having a stage height greater than 50 feet shall be equipped with a Class III wet standpipe system with 1.5-inch and 2.5-inch (38 mm and 64 mm) hose connections on each side of the stage.”

907.2.3 Group E. *Create a third Exception with subparagraphs to read:*

“3. Modular or portable educational buildings or clusters of such buildings in which the main building fire alarm is extended to the buildings or in which single-station smoke detectors are installed under the following conditions:

- 3.1. Individual buildings or cluster of buildings with a total aggregate floor area of not more than 7200 square feet (672 m²).
- 3.2. Each modular or portable building is separated from all other school buildings on the campus by a minimum horizontal distance of 10 feet (3048 mm).
- 3.3. Smoke alarms are installed in each classroom and wired in series so as to sound an alarm in each classroom of the building or cluster of buildings. Spacing shall be 30 feet (9144mm) on center in corridors and 900 square feet (84m²) per detector in open spaces, or in accordance with the manufacturer specifications.”

907.2.12.3 Fire department communication system. *Amend the second sentence of the subsection following the word “elevators,” by adding the following additional language:* “elevator machine rooms not located on the top floor of a building,”.

907.3.5.1 Use Group I-3. *Create a new subsection to read:* “ In all occupancies in Group I-3, the manual fire alarm boxes shall be permitted to be locked in areas where staff is present whenever such areas are occupied and keys are readily available to unlock the boxes, or the boxes shall be located in a manned staff location which has direct supervision of the sleeping area.”

907.5 Wiring. *Amend to read:* “Wiring shall comply with the requirements of the *National Electrical Code* and NFPA 72. Wireless protection systems utilizing radio-frequency transmitting devices shall comply with the special requirements for supervision of low-power wireless system in NFPA 72.”

909.8 Exhaust method. When approved by the building official, mechanical smoke control for large enclosed volumes, such as in atriums or malls, shall be permitted to utilize the exhaust method. The design exhaust volumes shall be in accordance with this section.

908.1 Exhaust rate. The height of the lowest horizontal surface of the accumulating smoke layer shall be maintained at least 10 feet (3048 mm) above any walking surface which forms a portion of a required egress system within the smoke zone. The required exhaust rate for the zone shall be the largest of the calculated plume mass flow rates for the possible plume configurations. Provisions shall be made for natural or mechanical supply of air from outside or adjacent smoke zones to make up for the air exhausted. Makeup airflow rates, when measured at the potential fire location, shall not exceed 200 feet per minute (60960 mm per minute) toward the fire. The temperature of the makeup air shall be such that it does not expose temperature-sensitive fire protection systems beyond their limits.

908.1.1 Exhaust rate alternative. Where the design exhaust rate of Section 909.8.1 would require excessive air changes per hour, the smoke control system shall be capable of

exhausting not less than the following quantities of air unless the engineered design complies with Section 909.8.1 and allows for a lesser air change rate, but in no case shall the rate be less than two air changes per hour:

1. For atriums and malls having a volume of not more than 600,000 cubic feet (16800 m³), including the volume of any levels not physically separated from the atrium or mall, not less than 40,000 cubic feet per minute (18.88 m³/s) nor less than six air changes per hour.
2. For atriums and malls having a volume of more than 600,000 cubic feet (16800 m³), including the volume of any levels not physically separated from the atrium or mall, not less than four air changes per hour.

909.11 Power systems. *Amend the subsection to read:* "The smoke control system shall be supplied with two sources of power. Primary power shall be the normal building power systems. Secondary power shall be from an approved source complying with the National Electrical Code as referenced in Chapter 35 of this code. The standby power source and its transfer switches shall be in a separate room from the normal power transformers and switch gear and shall be enclosed in a room of not less than 1-hour fire-resistance-rated construction ventilated directly to and from the exterior, unless the standby power system and equipment is approved and listed for exterior installation. Power distribution from the two sources shall be by independent routes. Transfer to full standby power shall be automatic and within 60 seconds of failure of the primary power. The systems shall comply with the National Electrical Code of this code."

910.2 Where required. Approved smoke and heat vents shall be installed in the roofs of one-story buildings or portions thereof occupied for the uses set forth in Sections 910.2.1 through 910.2.3.

910.2.1 Exit access travel distance increase. Buildings and portions thereof used as Group F-1 or S-1 occupancy where the maximum exit access travel distance is increased in accordance with Section 1004.2.4.1.

910.2.2 Group H. Buildings and portions thereof used as a Group H occupancy in accordance with Section 415.6.

910.2.3 High-piled combustible storage. Buildings and portions thereof containing high-piled combustible stock or rack storage in any occupancy group in accordance with Section 413 and the *International Fire Code*.

CHAPTER 10 MEANS OF EGRESS

Amend Chapter 10 by creating new, deleting or adding to various sections, as follows:

Table 1003.2.2.2, Maximum Floor Area Allowances Per Occupant. *Amend Table as follows:*

MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

OCCUPANCY	FLOOR AREA IN SQ. FT. PER OCCUPANT
Agricultural building	300 gross
Aircraft hangars	500 gross
Airport terminal	
Baggage claim	20 gross
Baggage handling	300 gross
Concourse	100 gross
Waiting areas	15 gross
Assembly	
Gaming floors (keno, slots, etc.)	11 gross
Assembly with fixed seats	See Section 1003.2.2.9
Assembly without fixed seats	
Concentrated (chairs only ---- not fixed)	7 net
Standing space	5 net
Unconcentrated (tables and chairs)	15 net
Bowling centers, allow 5 persons for each lane including 15 feet of runway, and for additional areas	7 net
Business areas	100 gross
Courtrooms ---- other than fixed seating areas	40 net
Dormitories	50 gross
Educational	
Classroom area	20 net
Shops and other vocational room areas	50 net
Exercise rooms	50 gross
H-5 Fabrication and manufacturing areas	200 gross
Industrial areas ^a	100 gross
Institutional areas	
Inpatient treatment areas	240 gross
Outpatient areas	100 gross
Sleeping areas	120 gross
Kitchens, commercial	200 gross
Library	
Reading rooms	50 net
Stack area	100 gross
Locker rooms	50 gross

Mercantile	
Areas on other floors	60 gross
Basements and grade floor areas	30 gross
Storage, stock and shipping areas	300 gross
Parking garages	200 gross
Residential	200 gross
Skating rinks, swimming pools	
Rinks and pools	50 gross
Decks	15 gross
Stages and platforms	15 net
Accessory storage areas, mechanical equipment room	300 gross
Warehouses	500 gross

For SI: 1 square foot = 0.0929 m².

- a. Use a value of 200 gross for purposes of determining jurisdiction under Section 104.1 and 104.2 and design professional seal requirements in Section 122.1.

1003.2.11.2 Illumination emergency power. *Delete reference to “International Electrical Code” and insert reference to “National Electrical Code” in lieu thereof and amend paragraph 4 and the last paragraph of this subsection as follows:*

- “4. The portion of the exterior exit discharge within a radius of 30 feet (9144 mm) measured from the center of exit discharge doorways in buildings required to have two or more exits.”

1003.2.12 Guards. *Amend the main paragraph and Exception 3 to read as follows:* “Guards shall be provided in accordance with the requirements of this section and shall be located along open-sided walking surfaces, mezzanines, industrial equipment platforms, stairways, ramps and landings which are located more than 15.5 inches (394 mm) above the floor or grade below. Guards shall be adequate in strength and attachment in accordance with Section 1607.7. Guards shall also be located along glazed sides of stairways, ramps and landings that are located more than 15.5 inches (394 mm) above the floor or grade below where the glazing provided does not meet the strength and attachment requirements in Section 1607.7. Where open-sided walking surfaces, mezzanines, industrial equipment platforms, stairways, ramps and landings are located less than 15.5 inches above the floor or grade below, a single rail or other barrier shall be provided to prevent persons from accidentally stepping off or falling from the elevated surface.”

Exception:

- “3. On raised stage and platform floor areas such as runways, ramps, altar platforms for religious purposes and side stages used for entertainment or presentations.”

1003.2.12.2 Opening limitations. *Amend the main paragraph and Exception 3 to read as follows:* “Open guards shall have balusters or ornamental patterns that do not provide or create a ladder effect, such that a 4-inch-diameter (102 mm) sphere cannot pass through any opening up to a height of 34 inches (864 mm). From

a height of 34 inches (864 mm) to 42 inches (1067 mm) above the adjacent walking surfaces, a sphere 8 inches (203 mm) in diameter shall not pass.”

Exceptions:

- “3. In occupancies in Group I-3, F, H or S, except Group S occupancies classified as open or ramp-access open parking garages, balusters, horizontal intermediate rails or other construction shall not permit a sphere with a diameter of 21 inches (533 mm) to pass through any opening.”

1003.3.1.5 Landings at doors. *Amend the Exception to this subsection to read:*

“Exception: Landing length in the direction of travel in Group R-3 as applicable in Section 101.2 and Group U and within individual units of Group R-2 as applicable in Section 101.2, need not exceed 36 inches (914 mm). The floor or landing shall not be greater than 1.5 inches (38 mm) lower than the top of the threshold.”

1003.3.1.6 Thresholds. *Amend this subsection to read:* “Thresholds at doorways shall not exceed 1 inch (25 mm) in height for exterior sliding doors serving dwelling units or 0.5 inch (12.7 mm) for other doors. Raised thresholds and floor level changes greater than 0.25 inch (6.5 mm) at doorways shall be beveled with a slope not greater than one unit vertical in two units horizontal (50-percent slope).”

1003.1.9 Panic and fire exit hardware. *Amend this subsection to read:* “Where panic and fire exit hardware is installed, it shall comply with the following:

1. The actuating portion of the releasing device shall extend at least one-half of the door leaf width.
2. A maximum unlatching force of 15 pounds (67 N).

If balanced doors are used and panic hardware is required, the panic hardware shall be of the push-pad type and the pad shall not extend more than one-half the width of the door measured from the latch side.”

1003.1.9.1 Where required. *Create a new subsection to read:* “Each door in a means of egress from an occupancy of Group A or E having an occupant load of 100 or more and any occupancy of Group H-1, H-2, H-3 or H-5 shall not be provided with a latch or lock unless it is panic hardware or fire exit hardware.

Exception: Panic hardware for occupancies of Group A-3 shall not be required for principal entrance/exit doors if:

1. The doors are free-swinging;
2. The calculated occupant load does not exceed 150; and
3. The latch/lock device is a thumb latch/lock or a key-operated lock device in which the key cannot be removed from the side from which egress is to be made when it is locked.”

1003.3.3 Stairways. *Amend this subsection to read:* “All stairways shall comply with Sections 1003.3.3.1 through 1003.3.3.12.1.”

1003.3.3.1 Stairway width. *Amend this subsection and create a new Exception to read:* “The width of all means of egress stairways shall be determined as specified in Section 1003.2.3.1 but such width shall not be less than 44 inches (1118 mm). See Section 1003.2.13.2 for accessible means of egress stairways.”

Exceptions:

“5. Stairways serving an occupancy in Group R-3 or within a dwelling unit shall not be less than 36 inches (914 mm) in width.”

1003.3.3.3 Stair treads and risers. *Amend this subsection by creating two additional Exceptions to read:*

Exceptions:

- “7. Existing stairways not scheduled for replacement during renovation of an existing building.
- 8. Stairways providing access into or from swimming pools, spas or baptisteries with the tread surface entirely below water shall have treads and risers that conform to the following:
 - 8.1.** Step treads shall have a minimum unobstructed horizontal depth of 10 inches (254 mm) and a minimum unobstructed surface area of 240 square inches (0.15 m²).
 - 8.2** Risers shall have a maximum uniform height of 12 inches (305 mm) as measured at the centerline of the tread. The height of the bottom riser shall not vary more than plus or minus 2 inches (51 mm) from the uniform riser height.”

1003.3.3.11.3 Handrail graspability. *Amend this subsection to read:* “Handrails with a circular cross section shall have an outside diameter of at least 1.25 inches (32 mm) and not greater than 2 inches (51 mm) or shall provide equivalent graspability as detailed by Figure 1003.3.3.11.3. If the handrail is not circular, it shall have a perimeter dimension of at least 4 inches (102 mm) and not greater than 6.25 inches (159 mm) with a maximum cross-section dimension of 2.25 inches (57 mm). Edges shall have a minimum radius of 0.125 inch (3.2 mm).”

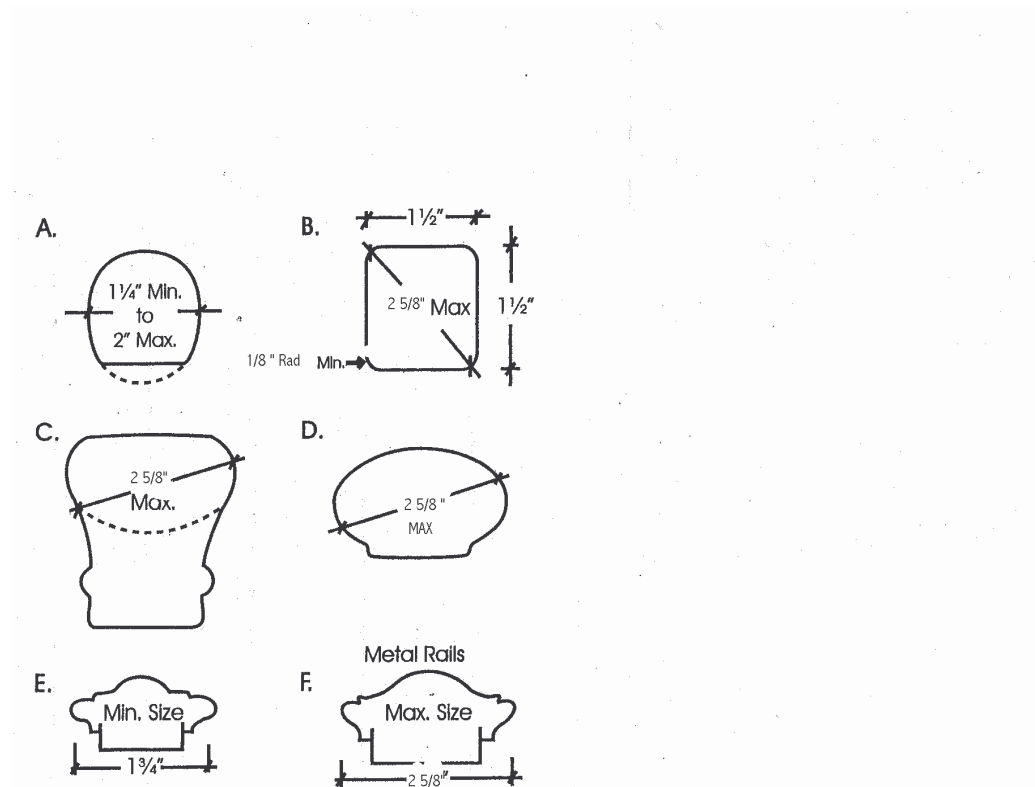


Figure 1003.3.3.11.3
HANDRAIL PROFILES

1003.3.3.11.4 Continuity. Amend this subsection by creating an additional Exception to read:

Exceptions:

- "4. Stair handrails within dwelling units shall be permitted to be discontinuous between the top and bottom of a flight of stairs where the ends of the discontinued rails are returned to a wall or post and the maximum distance between the discontinued rails is not greater than 4 inches (102 mm)."

Table 1004.2.1. Amend as follows:

TABLE 1004.2.1
SPACES WITH ONE MEANS OF EGRESS

OCCUPANCY	MAXIMUM OCCUPANT LOAD
A, B, E, F, M, U	50
H-1, H-2, H-3	3
H-4, H-5, I-1, I-3, R	10
S	30

Table 1004.2.4. *Amend as follows:*

TABLE 1004.2.4
EXIT ACCESS TRAVEL DISTANCE^a

OCCUPANCY	WITHOUT SPRINKLER SYSTEM (feet)	WITH SPRINKLER SYSTEM (feet)
A, E, F-1, I-1, M, R, S-1	200	250 ^b
B	200	300 ^c
F-2, S-2, U	300	400 ^b
H-1	Not Permitted	75 ^c
H-2	Not Permitted	100 ^c
H-3	Not Permitted	150 ^c
H-4	Not Permitted	175 ^c
H-5	Not Permitted	200 ^c
I-2, I-3	150	200 ^c

Table 1004.3.2.1 Corridor Fire-Resistance Rating. *Amend as follows:*

TABLE 1004.3.2.1
CORRIDOR FIRE-RESISTANCE RATING

OCCUPANCY	OCCUPANT LOAD SERVED BY CORRIDOR	REQUIRED FIRE-RESISTANCE RATING (hours)	
		Without sprinkler system	With sprinkler system ^c
H-1, H-2, H-3	All	1	1
H-4, H-5	Greater than 30	1	1
A, B, E, F, M, S, U	Greater than 30	1	0
R	Greater than 10	1	1
I-2 ^a	All	Not Permitted	0
I-1, I-3	All	Not Permitted	1 _b

Table 1005.2.2, Buildings with One Exit. *Amend Table by creating an additional Note(e) to read:*

^e The number of dwelling units that share a single exit may exceed 4 per floor where each 4 dwelling units sharing a single exit are separated from other groups of 4 dwelling units sharing a single exit by not less than a 2-hour fire barrier wall constructed in accordance with Section 706 of this code. A 2-hour fire wall is not required unless it is needed to reduce building areas to within the limits of Table 503 for the type of construction.”

1006.2 Exit discharge design requirements. *Amend this subsection to read:* “The exit discharge portion of the means of egress system shall comply with applicable design requirements of Sections 1006.2.1 through 1006.2.3.”

1006.2.3 Exit discharge protection. *Create a new subsection to read:* “A required means of egress shall not discharge directly into a vehicular path unless guards are provided to prevent vehicles from hitting the exit door in its outward opened position and to direct pedestrians in a path running parallel to the vehicular path. The guards shall prevent the exit discharge door from being blocked by movable objects such as dumpsters or parked vehicles.”

1008.11.1 Discontinuous rails. *Amend this subsection to read:* “Where there is seating on both sides of the aisle, the handrails shall be discontinuous with gaps or breaks at intervals not less than three rows and not exceeding five rows to facilitate access to seating and to permit crossing from one side of the aisle to the other. These gaps or breaks shall have a clear width of at least 22 inches (559 mm) and not greater than 36 inches (914 mm), measured horizontally, and the handrail shall have rounded terminations or bends.”

1008.11.1.1 Handrail extensions. *Create a new subsection to read:* “Within aisle stairs, the horizontal extension is not required beyond the bottom or top riser, provided the handrail begins at the first riser and is continuous, except where gaps or breaks are permitted in Section 1008.11.1 to the top row of seats.”

1009.1 General. *Amend subsection by creating an additional Exception to read:*

Exceptions:

- “5. Replacement of emergency escape and rescue windows which meet or exceed the provisions of the applicable code at the time the facility was originally constructed.”

CHAPTER 11 ACCESSIBILITY

Amend Chapter 11 by creating new, deleting or adding to various sections, as follows:

1101.2 Design. *Amend subsection to read:* “Buildings and facilities shall be designed and constructed to be accessible in accordance with this code and the applicable accessibility standards published by the Department of Justice listed in Chapter 35. These DOJ standards shall hereafter be referred to as “ADAAG” (American with Disabilities Act Accessibility Guidelines).”

1102.1 Definitions. *Amend or create additional definitions as follows:*

“ACCESSIBLE ROUTE: A continuous, unobstructed path connecting all accessible elements and spaces of a building or facility. Interior accessible routes may include corridors, floors, ramps, elevators, lifts and clear floor space at fixtures. Exterior accessible routes include parking access aisles, curb ramps, walks ramps and lifts.”

“ADAAG: The Americans with Disabilities Act Accessibility Guidelines for buildings and facilities developed by the U. S. Architectural and Transportation Barriers Compliance Board for use in new construction involving public accommodations, commercial facilities and state and local government buildings. The U. S. Department of Justice has published these standards and they are listed in Chapter 35.”

“CHILDREN’S USE. Spaces or elements specifically designed for use primarily by people between the ages of 5 years and 12 years of age.”

“DWELLING UNIT OR SLEEPING UNIT, TYPE A. A dwelling unit designed and constructed for accessibility in accordance with ADAAG.”

“DWELLING UNIT OR SLEEPING UNIT, TYPE B. A dwelling unit designed and constructed for accessibility in accordance with ADAAG, consistent with the design and construction requirements of the federal Fair Housing Act and pursuant to KRS 344.360 (11)-(13).”

1103.2.13 Church buildings. *Create a new subsection to read:* “Buildings or portions thereof used as a church are not required to be accessible.”

1103.2.14 Child day care facilities. *Create a new subsection to read:* “Buildings or portions thereof used as a child day care facility are not required to comply with the provisions found in ADAAG for children. Those areas of child day care facilities used by staff or parents of the children shall be made accessible. This would include, **but not be limited to**, accessible parking, accessible route to the building/facility entrance, accessible route within the facility to all occupiable rooms and spaces. “

1104.4 Multilevel buildings and facilities. *Amend Exception 1 and delete Exception 2 as follows:*

Exceptions:

1. The exceptions found in Section 206.2.3 of ADAAG.

1104.6 Accessible routes. *Create a new subsection to read: “Accessible routes shall be provided in accordance with this section and Section 206 of ADAAG.”*

1106.1 Required. *Amend this subsection by adding the following language to the end: “and shall comply with Section 208 of ADAAG.”*

1106.2 Groups R-2 and R-3. *Amend this subsection to read: “Parking spaces provided to serve residential facilities shall comply with 208.2.3 of ADAAG.”*

1106.3 Rehabilitation facilities, outpatient physical therapy and hospital outpatient facilities. *Amend the title of the subsection to include “hospitals and outpatient facilities”.*

1106.6 Passenger loading zones. *Amend this subsection to read: “Passenger loading zones shall be designed and constructed in accordance with 209 of ADAAG.”*

1107.2 Assembly area seating. *Amend subsection to read: “Assembly areas with fixed seating shall comply with Sections 1107.2.1 through 1107.2.4.1 and the provisions of Section 221 of ADAAG. Dining areas shall comply with Sections 1107.2.5 through 1107.2.5.2 and the provisions of Section 226 of ADAAG.”*

Amend Table 1107.2.2.1. *Amend the Table as follows:*

**TABLE 1107.2.2.1
WHEELCHAIR SPACE CLUSTERS**

NUMBER OF SEATS ^a	MINIMUM NUMBER OF WHEELCHAIR SPACES REQUIRED
Up to 300	1
301 to 600	2
601 to 900	3
901 to 1, 500	4
1,501 to 2,100	5
2,101 to 3,000	6
OVER 3,000	6, plus 1 additional space for each total seating capacity increase of 100, or fraction thereof, over 500

a. Installed seats plus required wheelchair spaces.

1107.2.3.1 Multilevel assembly seating areas. *Amend subsection to read: “In multilevel assembly seating areas, wheelchair space clusters shall be provided on the main floor level and on one of each two additional floor or mezzanine levels when an accessible route is provided.”*

1107.2.4 Assistive listening systems. *Amend subsection and create Exception to read: “Stadiums, theaters, auditoriums, lecture halls and similar fixed seating assembly areas where audible communications are integral to the use of the space shall have an assistive listening system, complying with this section and 219 of ADAAG, if the area is equipped with an audio amplification system.*

Exception: Courtrooms shall have an assistive listening system even if an audio amplification system is not provided.”

1107.3.3 Group I-3. *Amend subsection to read:* “Occupancies in Group- I-3 shall comply with 233 of ADAAG.”

1107.3.4 Alterations. *Create new subsection to read:* “Alterations to facilities in Group I-1 and I-2 shall comply with 223.1.1 of ADAAG.”

1107.4 Care facilities. *Delete subsection, including Exception, in its entirety.*

1107.5.1 Accessible sleeping accommodations. *Amend subsection to read:* “In group R-1 and R-2 with 6 or more sleeping accommodations, Section 224 of ADAAG shall apply. The number of accessible sleeping accommodations shall comply with Table 224.2 of ADAAG.”

1107.5.4 Accessible dwelling units. *Amend subsection and Exceptions to read:* “In multiple-family dwellings of Groups R-2 and R-3, as applicable in Section 101.2, containing at least 25 dwelling units, at least 1 in 25 dwelling units shall be a Type A dwelling unit Accessible in accordance with 1102 of ADAAG. In addition to those accessible dwelling units, two percent of the total number of dwelling units shall comply with 1103 of ADAAG. All dwelling units on a site shall be considered to determine the total number of dwelling units and the required number of accessible units. All rooms and spaces available to the general public and all such spaces available for the use of residents serving accessible or adaptable dwelling units shall be accessible.”

“Exceptions:

1. In buildings without elevators, multistory dwelling units are not required to be accessible.
2. Recreational facilities in accordance with Section 1108.14.
3. Dwelling units in buildings in which all units on the ground floor or all units where an elevator is provided are adaptable pursuant to KRS 344.360 (11)-(13) (See Appendix K).”

Table 1107.5.1, Accessible Sleeping Accommodations, *delete Table in its entirety.*

1107.6 Self-service storage facilities. *Amend subsection to read:* “Self-service storage facilities shall provide accessible individual self-storage spaces in accordance with Table 1107.6 and shall comply with Section 225 of ADAAG.”

1108.1 General. *Amend subsection and Exception to read:* “Accessible building features and facilities shall be provided in accordance with Sections 1108.2 through 1108.20.”

“Exception: Type A and Type B dwelling units shall comply with ADAAG.”

1108.2 Toilet and bathing facilities. *Amend subsection and Exceptions as follows:*

1. *creating additional language to end of first sentence which reads,* “and shall comply with this section and Section 213 of ADAAG.”
2. *Delete reference to “ICC/ANSI A117.1” in Exceptions and replace with “ADAAG”.*
3. *In Exception 4, delete the reference to “and primary school”.*

1108.2.1 Unisex toilet and bathing rooms. *Amend by deleting Exception in its entirety and amending subsection to read: “The use of unisex toilet and bathing rooms shall comply with the plumbing code listed in Chapter 35 and this section.”*

1108.2.1.1 Standard. *Amend subsection to read: “Unisex toilet and bathing rooms shall comply with this section and 213.2.1 of ADAAG.”*

1108.2.1.2 Unisex toilet rooms. *Amend Exception to read:*

“**Exception:** A separate-sex toilet room or a room containing only one water closet and one urinal shall be considered a unisex toilet room.”

1108.2.1.4 Location. *Amend subsection to read: “Unisex toilet and bathing rooms shall be located on an accessible route.”*

1108.2.1.5 Prohibited location. *Delete subsection in its entirety.*

1108.2.2 Water closet compartment. *Amend subsection by replacing reference to “ICC/ANI A117.1” with “213.3.1 of ADAAG.”*

1108.3 Sinks. *Amend subsection as follows:*

1. *Replace reference to “ICC/ANI A117.1” with “212 of ADAAG.”*
2. *Delete “and primary school” from Exception 2.*

1108.4 Kitchens, kitchenettes and wet bars. *Amend subsection by replacing reference to “ICC/ANI A117.1” with “212 of ADAAG.”*

1108.8 Storage. *Amend subsection by replacing reference to “ICC/ANI A117.1” with “228 of ADAAG.”*

1108.12.1 Dressing, fitting and locker rooms. *Amend subsection by inserting additional language, “and comply with 222 of ADAAG” to end of paragraph.*

1108.12.2 Check-out aisles. *Amend subsection by:*

1. *Inserting additional language to the end of the first sentence to read: “and shall comply with Section 227 of ADAAG.”*
2. *Deleting Exception in its entirety.*

1108.13 Controls, operating mechanisms and hardware. *Amend subsection by inserting additional language, “and comply with 205 of ADAAG” to end of paragraph.*

1108.13.1 Operable windows. *Amend subsection and delete Exception in its entirety: “Where operable windows are provided in rooms that are required to be accessible in accordance with Sections 1107.3.1, 1107.3.2, 1107.5.1 and 1107.5.4, at least one window in each room shall be accessible and each required operable window shall be accessible and comply with Section 230 of ADAAG.”*

1108.14.1 Groups R-2 and R-3. *Amend subsection by inserting the language, “or adaptable” following the word “accessible” and before the words “dwelling units”.*

1108.15 Accessible means of egress. *Create a new subsection to read: “In new construction, all accessible spaces shall be provided with an accessible means of egress complying with Section 207 of ADAAG.”*

1108.16 Stairways. *Create a new subsection to read: “Interior and exterior stairs that are part of a means of egress shall comply with Section 210 of ADAAG.”*

1108.17 Laundry equipment. *Create a new subsection to read: “Where washing machines and clothes dryers are provided in spaces required to be accessible, the laundry equipment shall comply with Section 214 of ADAAG.”*

1108.18 Emergency alarm systems. *Create a new subsection to read: “Where fire alarm systems are provided in public and common use areas, the system shall comply with Section 215 of ADAAG.”*

1108.19 Telephones. *Create a new subsection to read: “Where telephones are provided, they shall comply with Section 217 of ADAAG.”*

1108.20 Transportation facilities. *Create a new subsection to read: “Transportation facilities shall comply with Section 218 of ADAAG.”*

1108.21 Automatic teller machines and fare machines. *Create a new subsection to read: “Where automatic teller machines or self-service fare machines are provided, they shall comply with Section 220 of ADAAG.”*

1108.22 Depositories, vending machines, change machines and mail boxes. *Create a new subsection to read: “Where provided, these features shall comply with Section 229 of ADAAG.”*

1108.23 Two-way communication systems. *Create a new subsection to read: “Where a two-way communication system is provided to gain admittance to a building or facility or to restricted areas within a building of facility, the system shall comply with Section 231 of ADAAG.”*

1108.24 Judicial facilities. *Create a new subsection to read: “Judicial facilities shall comply with Section 232 of ADAAG.”*

CHAPTER 12 INTERIOR ENVIRONMENT

Amend Chapter 12 by creating new, deleting or adding to various sections, as follows:

1202.2.1 Openings into attic. *Amend subsection to read:* “Exterior openings into the attic space of any building intended for human occupancy shall be covered with corrosion resistant wire cloth screening, hardware cloth, perforated vinyl or similar material that will prevent the entry of birds, squirrels, rodents, snakes and other similar creatures. The openings therein shall be a minimum of 0.0625-inch (1.6 mm) and shall not exceed 0.25 inch (6.4 mm). Where combustion air is obtained from an attic area, it shall be in accordance with Chapter 7 of the International Mechanical Code.”

1202.6 Alternative mechanical system. *Create a new section to read:* “Heating, ventilating and air conditioning (HVAC) systems in occupancies reviewed under NFPA 101 pursuant to Section 115.1 of this code shall be installed in accordance with NFPA 90A or NFPA 90B in lieu of the mechanical code listed in Chapter 35.”

1205.4 Obstruction of courts and yards. *Create a new section and subsections to read:* “Every required *court* and yard shall remain unobstructed for its required area and full height, except for the projections permitted in Sections 1205.4.1 through 1205.4.6.

1205.4.1 Maximum encroachment: A part of any building or structure shall not extend into side *courts*, *inner courts* or yards required for light and *ventilation* of habitable and *occupiable rooms* by the *zoning* law or other statutes controlling building construction. The encroachment shall not exceed 20 percent of the legal area of the yard or *court* which is required for light and *ventilation* purposes.

1205.4.2 Accessories: In Use Groups R and I, clothes poles, arbors, garden trellises and other such accessories shall not be prohibited in the open spaces at ground level.

1205.4.3 Roof eaves: Roof eaves shall not project more than 3 feet (914 mm) beyond the face of the wall.

1205.4.4 Steps and architectural features: Steps, window sills, belt courses and similar architectural features, as well as rain leaders and chimneys, shall not project more than 2 feet (610 mm) beyond the face of the wall.

1205.4.5 Exterior stairways and fire escapes: Outside *stairways*, smokeproof tower balconies, fire escapes or other required elements of a *means of egress* shall not project more than 4 feet (1219 mm) beyond the face of the wall.

1205.4.6 Motor vehicle parking: Where approved, required *court* and yard areas for automobile parking spaces or *private garages* not exceeding one story in *height*, where accessory to and only for the occupants of a Use Group R occupancy, are permitted, provided that required windows for light and *ventilation* are not obstructed thereby.”

1207.2 Minimum ceiling heights. Occupiable spaces and habitable spaces shall have a ceiling height of not less than 7 feet 6 inches (2288 mm). Bathrooms, toilet rooms, kitchens, storage rooms, laundry rooms and corridors or hallways shall be permitted to have a ceiling height of not less than 7 feet (2134 mm).

CHAPTER 13

ENERGY EFFICIENCY

Amend Chapter 13 by creating new, deleting or adding to various sections, as follows:

1301.1 Scope. *Amend subsection to read:* “This chapter governs the design and construction of buildings for building envelope requirements.”

1301.1.1. *Amend subsection to read:* “Building envelopes shall be designed and constructed in accordance with the International Energy Conservation Code of this code.”

1302.1 Definitions. *Create a new section for definitions to read:* “The following words and terms shall, for the purposes of this chapter and as used elsewhere in the code, have the meanings shown herein.

BUILDING ENVELOPE. The elements of a building which enclose conditioned spaces through which thermal energy is capable of being transferred to or from the exterior or to or from exempted spaces.”

CHAPTER 14

EXTERIOR WALLS

Amend Chapter 14 by creating new, deleting or adding to various sections, as follows:

1404.2 Water-Resistive Barrier. *Amend section by inserting additional language “tested and listed air infiltration barriers” following the words “Type 1 felt,” and before the word “shall”.*

Table 1405.2, Minimum Thickness of Weather Coverings. *Amend Table by deleting reference to “Asbestos-cement boards” and “Asbestos shingles”.*

1405.3 Flashing. *Amend section by amending last sentence in paragraph to read: “ ...at wall and roof intersections with the step-flashing method or sloped-flashing method; and at built-in gutters.”*

CHAPTER 15 ROOF ASSEMBLIES AND ROOFTOP STRUCTURES

Amend Chapter 15 by creating new, deleting or adding to various sections, as follows:

1503.4 Roof drainage. Design and installation of roof drainage systems shall comply with Section 1611 (RAIN LOADS) of this code and the Kentucky Plumbing Code as referenced in Chapters 29 and 35 of this code.

1505.1 General. *In the last line in Note "c" change referenced section from: "1505.6" to "1505.7".*

1507.2. Asphalt shingles. Note a, Item 2: Change referenced table from "1609.5" to "1604.5." Add symbol "I_w" after the term "Importance Factor."

1507.4.5 Snow and ice guards. *Create a new subsection to read: "Metal roof structures with slopes greater than 6 vertical units in 12 units horizontal (50-percent slope) shall be provided with approved guards to prevent large ice or snow slides."*

1509.2 Penthouses. *Amend section by inserting the following sentence at the beginning of the paragraph to read: "Penthouses shall be considered a part of the next lower story when otherwise constructed in compliance with the requirements of this section."*

1509.2 .1 Type of construction. *In Exception 1, line 7 and Exception 2, line 6: delete "over" before "20 feet" and add "or greater" before the word "from". Sentence to read: "...that are 20 feet (6096 mm) or greater from a common..."*

1509.5.1 Noncombustible construction required. *Amend first sentence of subsection by inserting the language, "or miscellaneous structures including screens or enclosures" following the word "cupola" and before the word "that".*

CHAPTER 16 STRUCTURAL LOADS

Amend Chapter 16 by creating new, deleting or adding to various sections, as follows:

1601.2 Certificate of compliance. *Create a new section to read:* “Design compliance with the provisions of this Chapter and Chapter 18 shall be satisfied when certification of an architect or engineer registered in Kentucky to that affect is placed on the drawings submitted to the code official, unless the code official shall notify the designer that a specific code violation exists.”

1602.1 Definitions. *Amend the group of definitions under the heading “FRAME, MOMENT” to read as follows:*

“Moment Frame. A frame provided with restrained connections between the beams and columns to permit the frame to resist lateral forces through the flexural rigidity and strength of its members.

Intermediate Moment Frame (IMF). *A moment frame* of reinforced concrete meeting the detailing requirements of ACI 318-99, Sec. 21.10, of structural steel meeting the detailing requirements of AISC Seismic (1997), Part I, Sec. 10, or of a composite construction meeting the requirements of AISC Seismic (1997), Part II, Sec. 6.4b, 7, 8 and 10.

Ordinary Moment Frame (OMF). *A moment frame* of reinforced concrete meeting the detailing requirements of ACI 318-99 exclusive of Chapter 21, of structural steel meeting the detailing requirements of AISC Seismic (1997), Part I, Sec. 11, or of a composite construction meeting the requirements of AISC Seismic (1997), Part II, Sec. 6.4a, 7, 8 and 11.

Special Moment Frame (SMF). *A moment frame* of reinforced concrete meeting the detailing requirements of ACI 318-99, Sec. 21.2 through 21.5, of structural steel meeting the detailing requirements of AISC Seismic (1997), Part I, Sec. 9, or of a composite construction meeting the requirements of AISC Seismic (1997), Part II, Sec. 6.4a, 7, 8 and 9.”

Rational Analysis. *Create a definition to read:* “Alternative analytical calculations, experimental data, or reference citations that have been approved for use by the building official.”

1604.3 Serviceability. *Amend the subsection by adding the following sentence to the end of the paragraph:*

“The maximum story drift for wind loading shall be 0.005 times the story height, unless structural and architectural elements have been designed to account for larger displacements.”

1605.3.2 Alternative basic load combinations. *Amend subsection to read as follows:* “In lieu of the basic load combinations specified in Section 1605.3.1, structures and portions thereof shall be permitted to be designed for the most critical effects resulting from the following combinations. When using these alternate basic load combinations that include wind or seismic loads, allowable stresses are permitted to

be increased or load combinations reduced, where permitted by the material section of this code or referenced standard. Where wind loads are calculated in accordance with Section 1609.6 or ASCE 7-98, the coefficient ω in the following formulas shall be taken as 1.3. For other wind loads ω shall be taken as 1.0. For horizontal diaphragms and non-loadbearing structural elements the coefficients α shall be taken as 0.9, otherwise the coefficient α shall be 0.7.

$D+L+(L_r \text{ or } S \text{ or } R)$	(Formula 16-13)
$D+L+(\omega W)$	(Formula 16-14)
$D+L+\omega W+S/2$	(Formula 16-15)
$D+L_S+\omega W/2$	(Formula 16-16)
$D+L+S+\alpha E$	(Formula 16-17)
$0.9D+\alpha E$	(Formula 16-18)
$0.9D+\omega W$	(Formula 16-18a)

Exceptions:

1. Crane hook loads need not be combined with roof live load or with more than three-fourths of the snow load or one-half of the wind load.
2. Flat roof snow loads of 30 pounds per square foot (1.44 kN/m^2) or less need not be combined with seismic loads. Where flat roof snow loads exceed 30 pounds per square foot (1.44 kN/m^2) in Bell, Harlan, Letcher or Pike Counties, 20 percent shall be combined with seismic loads.
3. Values for α may alternatively be determined in accordance to Table C9.1 in ASCE 7-98, except that α may not be taken as less than 0.7.

1605.4 Special seismic load combinations. *Change first paragraph to read:* “For both allowable stress design and strength design methods, where specifically required by Sections 1613 through 1622 or by Chapters 18 through 23, elements and components shall be designed to resist the forces *calculated using* Formula 16-19 when the effects of the seismic ground motion are additive to gravity forces *and those calculated using* Formula 16-20 when the effects of the seismic ground motion counteract gravity forces.” *Formulas remain the same.*

Table 1607.1. Minimum Uniformly Distributed Live Loads and Minimum Concentrated live Loads^g. *Delete “and canopies”.*

1607.4. Concentrated loads. *Change referenced section “1607.2” to “1607.3”.*

1608.2 Ground Snow Loads. *Amend the subsection to read:* “The ground snow loads to be used in determining the design snow loads for roofs are given in Table 1608.2 for the State of Kentucky. Ground snow loads for sites at elevations above the limits indicated in Table 1608.2 shall be approved. Ground snow load determination for such sites shall be based on an extreme value statistical analysis of data for the vicinity of the site using a value with a 2-percent annual probability of being exceeded (50-year mean recurrence interval), or by other means of approved *rational analysis*.”

Figure 1608.2. *Delete this figure in its entirety.*

Table 1608.2. *Amend the following table:*

TABLE 1608.2
DESIGN SNOW AND SEISMIC LOADS FOR KENTUCKY COUNTIES

County	Ground Snow Load p_g (psf) ^a	Spectral Response Acceleration Coefficients (percent)				Equivalent UBC Zone ^d
		S_s ^b	$S_{s,0}$ ^c	S_1 ^b	$S_{1,0}$ ^c	
Adair	15	13	23	14		1
Allen	15	14	26	15		1
Anderson	15	11	23	12		1
Ballard	15	300	224	109	67	4
Barren	15	28	25	14	14	1
Bath	15	28	27	10	10	1
Bell	15 ^e	46	37	11	11	2A
Boone	20	20	16	9	9	1
Bourbon	15	27	25	10	10	1
Boyd	20	24	22	9	9	1
Boyle	15	24	22	12	11	1
Bracken	20	26	22	9	9	1
Breathitt	15	29	27	11	10	1
Breckinridge	15	39	29	15	14	2A
Bullitt	15	27	24	13	12	1
Butler	15	43	31	18	15	2A
Caldwell	15	118	73	29	24	2B
Calloway	15	125	89	38	26	3
Campbell	20	22	18	9	9	1
Carlisle	15	300	180	105	54	4
Carroll	20	21	19	10	10	1
Carter	15	26	23	9	9	1
Casey	15	24	22	12	12	1
Christian	15	76	51	24	20	2B
Clark	15	27	25	11	10	1
Clay	15	37	28	11	11	2A
Clinton	15	27	24	12	12	1
Crittenden	15	117	85	33	25	2B
Cumberland	15	25	24	12	12	1
Daviess	15	62	42	21	16	2B
Edmonson	15	34	27	15	14	2A
Elliott	15	26	24	10	9	1
Estill	15	26	25	11	10	1
Fayette	15	26	24	11	10	1
Fleming	15	28	26	10	9	1
Floyd	20	30	26	10	10	1

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TABLE 1608.2 (continued)
DESIGN SNOW AND SEISMIC LOADS FOR KENTUCKY COUNTIES

County	Ground Snow Load p_g (psf) ^a	Spectral Response Acceleration Coefficients (percent)				Equivalent UBC Zone ^d
		S_s ^b	$S_{s,0}$ ^c	S_1 ^b	$S_{1,0}$ ^c	
Franklin	15	24	23	11	10	1
Fulton	15	300	143	108	42	4
Gallatin	20	20	19	10	9	1
Garrard	15	25	23	11	11	1
Grant	20	24	20	10	9	1
Graves	15	220	116	65	33	4
Grayson	15	38	27	16	14	2A
Green	15	25	23	13	13	1
Greenup	20	25	22	9	9	1
Hancock	15	47	38	17	15	2A
Hardin	15	25	30	14	13	1
Harlan	15 ^e	45	36	11	11	2A
Harrison	15	26	23	10	9	1
Hart	15	29	25	14	13	1
Henderson	15	92	57	26	20	2B
Henry	20	21	20	11	10	1
Hickman	15	289	137	96	40	4
Hopkins	15	88	56	26	20	2B
Jackson	15	26	25	11	11	1
Jefferson	15	27	23	13	11	1
Jessamine	15	25	24	11	11	1
Johnson	15	26	25	10	10	1
Kenton	20	21	17	9	9	1
Knott	20	33	28	10	10	1
Knox	15	40	30	11	11	2A
Larue	15	26	24	13	13	1
Laurel	15	32	26	11	11	1
Lawrence	15	25	23	10	9	1
Lee	15	27	26	11	10	1
Leslie	20	39	30	11	10	2A
Letcher	20 ^f	37	31	11	10	2A
Lewis	20	27	23	9	9	1
Lincoln	15	25	23	12	11	1
Livingston	15	155	110	46	31	3
Logan	15	46	34	18	15	2A
Lyon	15	113	88	33	26	2B

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TABLE 1608.2 (continued)
DESIGN SNOW AND SEISMIC LOADS FOR KENTUCKY COUNTIES

County	Ground Snow Load p_g (psf) ^a	Spectral Response Acceleration Coefficients (percent)				Equivalent UBC Zone ^d
		S_s ^b	$S_{s,0}$ ^c	S_1 ^b	$S_{1,0}$ ^c	
McCracken	15	256	138	78	41	4
McCreary	15	37	27	12	11	2A
McLean	15	66	49	22	18	2B
Madison	15	26	24	11	11	1
Magoffin	15	26	25	10	10	1
Marion	15	24	22	13	12	1
Marshall	15	139	102	41	29	3
Martin	20	27	24	10	10	1
Mason	20	27	25	9	9	1
Meade	15	35	27	14	13	2A
Menifee	15	28	27	10	10	1
Mercer	15	24	22	12	11	1
Metcalfe	15	25	24	13	13	1
Monroe	15	27	25	14	13	1
Montgomery	15	27	27	10	10	1
Morgan	15	27	25	10	9	1
Muhlenberg	15	59	41	21	17	2B
Nelson	15	25	23	13	11	1
Nicholas	15	28	26	10	9	1
Ohio	15	51	37	19	15	2A
Oldham	15	24	21	12	11	1
Owen	20	23	20	10	10	1
Owsley	15	30	26	11	10	1
Pendleton	20	25	21	10	9	1
Perry	20	37	29	11	10	2A
Pike	20 ^f	34	26	10	10	1
Powell	15	27	26	10	10	1
Pulaski	15	28	24	12	11	1
Robertson	15	26	25	9	9	1
Rockcastle	15	27	24	11	11	1
Rowan	15	27	26	10	9	1
Russell	15	25	24	12	12	1
Scott	15	25	23	10	10	1
Shelby	15	23	22	12	10	1
Simpson	15	36	29	16	15	2A
Spencer	15	24	23	12	11	1

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TABLE 1608.2 (continued)
DESIGN SNOW AND SEISMIC LOADS FOR KENTUCKY COUNTIES

County	Ground Snow Load p_g (psf) ^a	Spectral Response Acceleration Coefficients (percent)				Equivalent UBC Zone ^d
		S_s ^b	$S_{s,0}$ ^c	S_1 ^b	$S_{1,0}$ ^c	
Taylor	15	24	23	13	12	1
Todd	15	53	42	20	17	2A
Trigg	15	106	65	30	23	2B
Trimble	20	22	20	11	10	1
Union	15	103	80	28	25	2B
Warren	15	36	28	16	14	2A
Washington	15	24	22	12	11	1
Wayne	15	28	25	12	12	1
Webster	15	93	61	27	21	2B
Whitley	15	42	29	12	11	2A
Wolfe	15	27	26	10	10	1
Woodford	15	24	23	11	10	1

For SI: 1 pound per square foot (psf) = 0.0479 kN/m².

- Listed values of ground snow load, p_g , shall be used in accordance to Section 1608.2 of this code.
- Listed values of spectral response coefficients, S_s and S_1 , shall be used in accordance to Section 1615.1 of this code.
- Listed values of *minimum* spectral response coefficients, $S_{s,0}$ and $S_{1,0}$, are the minimum values that can be used by an approved means of *rational* analysis in accordance to the limitations in Section 1615.1 of this code.
- These values also relate to Exception 4, Section 1622.2.5.**
- Ground snow load values for elevations above 2600 feet (792.480 m) in this county shall be based on site-specific case studies or by other approved means of approved *rational analysis*.
- Ground snow load values for elevations above 2500 feet (762 m) in this county shall be based on site-specific case studies or by other approved means of approved *rational analysis*.

Table 1608.3.1. *Delete the bottom row or table 1608.3.1, beginning with “In Alaska ...”*

Figure 1609. *Delete all five map figures, on existing pages 314 –318, in their entirety.*

1609.1.1 Determination of wind loads. *Amend by adding additional language to the end of the paragraph to read: “... Buildings having a mean roof height not exceeding the least horizontal dimension or 60 feet (18 288 mm), whichever is less, that do not meet the conditions of ASCE 7-98, Section 6.5.1, may be designed in accordance to the ASCE 7-98 Method 2 without the limitations specified in Section 6.5.2 of ASCE 7-98, provided that windward and side wall pressures are increased for the following conditions:*

- Inside faces of plan penetrations (cul-de-sacs) open to the windward side; and courtyards having an along-wind dimension greater than 2 times the cross-wind dimension shall be increased 5 percent (0.05).
- Inside faces of re-entrant corners shall be increased 10 percent (0.10).

Alternatively, the building official may waive wind tunnel tests when the design can be substantiated by dynamic or modal analysis.”

1609.1.4 Protection of openings. *Delete this section in its entirety.*

Table 1609.1.4. *Delete this table in its entirety.*

1609.2 Definitions. *Delete the definitions for “HURRICANE-PRONE REGIONS” and “WIND-BORNE DEBRIS REGION” in their entirety.*

1609.3 Basic wind speed. *Replace the entire paragraph with the following: “The basic wind speed for the determination of the wind loads shall be 90 miles per hour (40 meters per second) when using the provisions of ASCE 7-98.”*

1609.3.1 Wind speed conversion. *Replace the entire paragraph with the following: “When required, the fastest mile wind velocity, V_{fm} , shall be 75 miles per hour (33 meters per second).”*

Table 1609.3.1. *Delete this table in its entirety.*

1609.4 Exposure category. *Delete the phrase “and shorelines in hurricane-prone regions” in the last sentence of paragraph 3 (Exposure C); and delete the second sentence under Part 4 (Exposure D), that begins, “Shorelines in Exposure D include...Alaska”.*

Table 1609.6.2. *Change the Exposure subheading “B” to “A and B”.*

Table 1609.6.2.1(2). *Change the load for: Roof > 10 to 30 Degrees, Zone – 3, Wind Area – 20, Wind Speed – 130, from “-53.5” to “53.3”.*

1615.1 General procedure for determining maximum considered and design spectral response accelerations. *Amend the second paragraph to read: “The mapped maximum considered earthquake spectral response acceleration at short periods, S_s , and at 1-second period, S_1 , shall be determined from Table 1608.2. Documented electronic data values for S_s (0.2 sec spectral acceleration, 2% probability of exceedance in 50 years) and S_1 (1.0 sec spectral acceleration, 2% probability of exceedance in 50 years) obtained through the US Geological Survey National Seismic Hazard Mapping Project database, or other means of approved *rational analysis* may be used instead of the table. In no case will the calculated values be less than $S_{s,0}$ for S_s , or $S_{1,0}$ for S_1 in that county.”*

Figures 1615(1) through (10). *Delete all 10 map figures, on existing pages 332- 349, in their entirety.*

1615.1.2 Site coefficients and adjusted maximum considered earthquake spectral response acceleration parameters. *Revise equations 16-16 and 16-17 as follows.*

$$S_{MS} = F_a S_s \leq 1.5 F_a \quad \text{(Equation 16-16)}$$

$$S_{M1} = F_v S_1 \leq 0.6 F_v \quad \text{(Equation 16-17)}$$

Table 1615.1.2(1). *Amend Table to read as follows:*

TABLE 1615.1.2(1)
VALUES OF SITE COEFFICIENT F_a AS A FUNCTION OF SITE CLASS
AND MAPPED SPECTRAL RESPONSE ACCELERATION AT SHORT PERIODS (S_s)^a

SITE CLASS	MAPPED SPECTRAL RESPONSE ACCELERATION AT SHORT PERIODS				
	$S_s < 0.25$	$S_s = 0.50$	$S_s = 0.75$	$S_s = 1.00$	$S_s > 1.25$
A	0.8	0.8	0.8	0.8	0.8
B	1.0	1.0	1.0	1.0	1.0
C	1.2	1.2	1.1	1.0	1.0
D	1.6	1.4	1.2	1.1	1.0
E	2.5	1.7	1.2	0.9	0.9
F	Note b	Note b	Note b	Note b	Note b

- Use straight line interpolation for immediate values of mapped spectral acceleration at short period, s .
- Site-specific geotechnical investigation and dynamic site response analyses shall be performed to determine appropriate values, except that for structures with periods of vibration equal to or less than 0.5 seconds, values of F_a for liquifiable soils are permitted to be taken equal to the value for the site class determined without regard to liquefaction in Section 1615.1.5.1.

Table 1615.1.2(2). *Amend Table to read as follows:*

TABLE 1615.1.2(2)
VALUES OF SITE COEFFICIENT F_v AS A FUNCTION OF SITE CLASS
AND MAPPED SPECTRAL RESPONSE ACCELERATION AT 1-SECOND PERIODS (S_1)^a

SITE CLASS	MAPPED SPECTRAL RESPONSE ACCELERATION AT 1-SECOND PERIODS				
	$S_1 < 0.1$	$S_1 = 0.2$	$S_1 = 0.3$	$S_1 = 0.4$	$S_1 \geq 0.5$
A	0.8	0.8	0.8	0.8	0.8
B	1.0	1.0	1.0	1.0	1.0
C	1.7	1.6	1.5	1.4	1.3
D	2.4	2.0	1.8	1.6	1.5
E	3.5	3.2	2.8	2.4	2.4
F	Note b	Note b	Note b	Note b	Note b

- Use straight line interpolation for intermediate values of mapped spectral acceleration at short period, S_1 .
- Site-specific geotechnical investigation and dynamic site response analyses shall be performed to determine appropriate values, except that for structures with periods of vibration equal to or less than 0.5 seconds, values of F_1 for liquifiable soils are permitted to be taken equal to the values for the site class without regard to liquefaction in Section 1615.1.5.1.

1615.1.5 Site classification for seismic design. Add the following paragraph and equations to the end of the section: “Where the 100-foot profile incorporates data from more than one method of v_s , N , and s_{ui} , an equivalent shear wave velocity value for a layer using Equations 16-25a and 16-25b is required. The values thus obtained are to be used to calculate v_s in Equation 16-22.”

$$v_{si} = 126 N_i^{0.576}$$

(Equation 16-25a)

$$v_{si} = 0.6 s_{ui}$$

(Equation 16-25b)

1616.3 Determination of seismic design category. *Amend the subsection by creating an exception to read:*

Exception: The seismic design category is permitted to be determined from Table 1616.3(1) when the approximate fundamental period of the structure, T_a , in each of the two orthogonal directions determined in accordance with Section 1617.4.2.1 is less than $0.8 T_s$ determined in accordance with Section 1615.1.4 and equation 16-35 is used to determine the seismic response coefficient, C_s .

Table 1616.3(1). *Change the wording of the first line of Note ‘a’ from “Seismic Use Groups I and II structures...” to “Seismic Use Group II structures...”*

Table 1616.3(2). *Change the wording of the first line of Note ‘a’ from “Seismic Use Groups I and II structures...” to “Seismic Use Group II structures...”*

1617.4.1 Seismic base shear. *Replace condition 4 under the definition of “W” with the following: “In Bell, Harlan, Letcher, and Pike counties only, twenty percent of flat roof snow where site-specific flat roof snow load exceeds 30 pounds per square foot (see notes e and f in Table 1608.2).”*

1617.4.1.1 Calculation of seismic response coefficient. *At the definition for “ S_1 ” (Equation 16-38) add “mapped” before “maximum.” Definition to read: “ S_1 = The mapped maximum considered...”*

1617.4.2.1 Approximate fundamental period. *Replace Equation 16-39 with the following:*
$$T_a = C_T h_n^{3/4} \quad \text{(Equation 16-39)}$$

Replace Equation 16-40 with the following:
$$T_a = 0.1N$$

(Equation 16-40)

1622.2.5 Minimum seismic forces. *Amend Exception 4 to read:*

“4. Where an approved standard’s latest edition is based on *Uniform Building Code* zone criteria, seismic zone numbers shall be determined from Table 1608.2 for the county being considered.”

Table 1622.2.5. *Delete Table 1622.2.5 in its entirety.*

1622.4.2 Earth-retaining structures. *Add the following sentence to the first paragraph: “The geotechnical analysis shall be based on US Army Technical Report ITL-92-11, or other methodology approved by the building official.”*

1622.4.3 Tanks and Vessels. *Add the following sentence to the bottom of the paragraph: “... Analysis of sloshing effects shall be in accordance to ANSI/AWWA D100-97; API 620, Appendix L; API 650, Appendix E; or TM 5-809-10/NAVFAC P-355/AFM 88-3, Chapter 13, as applicable to the rest of the tank design.”*

1622.4.8 Buried structures. *Replace the third sentence beginning “Buried structures...” with the following: “... Buried structures that have large cross-sections, or are classified as being in Seismic Use Group II or III, shall be designed to resist seismic lateral forces determined from a substantiated analysis using standards approved by the building official.” ...*

Section 1624. Ice Loads. *Create a new section to read:*

“1624.1 General. Open structures, as defined by Section 1609.2, and not having a weather-tight roof system shall be designed for ice loads in lieu of snow loads. Ice loads shall be determined in accordance to ASCE-7, Chapter 10 and commentary. The accretion density of ice shall be 57 pounds per cubic foot.

1624.2 Load Combinations. Where ice loadings exceed snow loadings for a level or story, the ice loadings shall be used in place of snow loads in all related load combinations for that level or story.”

CHAPTER 17 STRUCTURAL TESTS AND SPECIAL INSPECTIONS

Amend Chapter 17 by creating new, deleting or adding to various sections as follows:

1702, Definitions. *Create new definitions as follows:*

“DESIGNATED SEISMIC SYSTEM. Architectural, electrical and mechanical systems that require seismic design and construction with a component importance factor (I_p) greater than 1.0.

QUALIFIED CERTIFICATION AUTHORITY. A Nationally recognized organization, with the capability to observe, assess, document and monitor the professional, technical and production activities of the fabricator **special inspector**.

SEISMIC FORCE RESISTING SYSTEM. The part of the structural system designed to resist earthquake-induced force and deformation effects.”

1704.1 General. *Amend section as follows:*

"Where application is made for construction as described in this section, the owner or the registered design professional in responsible charge acting as the owner's agent shall employ, or shall in the contract documents require the contractor to employ, one or more special inspectors to provide inspections during construction on the type of work listed under Section 1704. The special inspector shall be qualified to perform inspections for the particular type of construction or operation requiring special inspection by a qualified certification authority and shall be approved by the registered design professional responsible for the design of the structure. These inspections are in addition to the inspections specified in Section 109. "Qualification" for purposes of this section shall mean a certified professional where certification in that jurisdiction exists."

Amend Exceptions and add additional exception as follows:

- "1. Special inspections may not be required for work of a minor nature if approved by the building official and the design professional responsible for the design of the structure. Structures exceeding 2 stories or 25 feet to the highest point of the structure or with a gross area exceeding*

25,000 square feet (2322m²) shall not be considered work of a minor nature. Structures of any size assigned to Categories 2 and 3 per Table 1604.5 shall not be considered work of a minor nature."

- "2. Special inspections are not required for building components unless the design involves the practice of professional engineering or architecture as defined by applicable state statutes and regulations governing the professional registration and certification of engineers or architects."
- "3. Unless otherwise required by the building official, special inspections are not required for occupancies in Group R-3 as applicable in Section 101.2 and occupancies in Group U that are accessory to a residential occupancy including, but not limited to, those listed in Section 312.1."
- "4. Unless otherwise required by the building official, special inspections are not required for buildings which are not required to be designed by a design professional per Section 106, Section 122 and Table 122.1 of this code."
- "5. Unless otherwise required by the building official, special inspections are not required for buildings assigned to Category IV per Table 1604.5."

1704.1.1 Building permit requirement. *Amend subsection as follows:* "The permit applicant shall submit a statement of special inspections prepared by the registered design professional in responsible charge in accordance with Section 106.1 as a condition for permit issuance. This Statement shall include a complete list of materials and work requiring special inspections by this section and the inspections to be performed."

1704.1.2 Report requirement. *Amended as follows:*

"Special inspectors shall keep records of inspections. The special inspectors shall furnish inspection reports to the registered design professional in responsible charge. Reports shall indicate that work inspected was done in conformance with approved construction documents. Discrepancies shall be brought to the immediate attention of the contractor for corrections. If the discrepancies are not corrected, the discrepancies shall be brought to the attention of the building official and the design professional in responsible charge prior to the completion of that phase of the work. A final report of special inspections documenting completion of all required special inspections and correction of any discrepancies noted in the inspections shall be submitted to the building official by the design professional in responsible charge prior to issuance of a certificate of occupancy."

1704.2.2 Fabricator approval. *Amend to read:* "Special inspections required by this code are not required where the work is done on the premises of a fabricator registered and approved to perform such work without special inspection. Approval shall be based upon review of the fabricator's written procedural and quality control manuals and periodic auditing of fabrication practices by a qualified certification authority. At completion of fabrication, the approved fabricator shall submit a certificate of compliance to the registered design professional in responsible charge stating that the work was performed in accordance with the approved construction documents."

1704.3 Steel Construction. *Amend Exception 2.3 to read:*

"2.3 Welded shear studs when used for structural diaphragm."

1704.3.3.1. General. *Amend subsection by inserting word “weld filler” following the word “washers” and before the word “and”.*

1705.3 Contractor responsibility. *Create a new phrase following ...”responsibility to the building official” to read: “and to registered design professional in responsible charge acting as owner agent”...*

1706.1 Delete this section in its entirety.

1706.2 Quality assurance plan preparation. Delete this section in its entirety.

1706.2 Contractor responsibility. *Delete this section in its entirety.*

1709.1 Structural observations. *Amend section to replace the third paragraph and to delete the second paragraph and the two conditions listed in their entirety. Will read as:*

“Structural observations shall be provided for those structures included in Seismic Design Category D, E or F, as determined in Section 1616, where one or more of the following conditions exist:

- 1. The structure is included in Seismic Use Group II or III.*
- 2. The height of the structure is greater than 75 feet (22 860 mm) above the base.*
- 3. The structure is in Seismic Design Category E and Seismic Use Group I and greater than two stories in height.*
- 4. When so designated by the registered design professional in responsible charge of the design.*
- 5. When such observation is specifically required by the building official.*

The owner shall employ a registered design professional approved by the registered design professional responsible for the design of the structure and the code official. The registered design professional shall be a professional engineer whose primary occupation is the design and/or analysis of structures.

Deficiencies shall be reported in writing to the owner and the building official. At the conclusion of the work included in the permit, the structural observer shall submit to the building official a written statement that the site visits have been made and identify any reported deficiencies which, to the best of the structural observer’s knowledge, have not been resolved.

CHAPTER 18 SOILS AND FOUNDATIONS

Amend Chapter 18 by creating new, deleting or adding to various sections, as follows:

1801.1.1 Certificate of compliance. *Create a new subsection to read: “Design compliance with the provisions of this chapter and Chapter 16 shall be satisfied when certification of an architect or engineer*

registered in Kentucky to that affect is placed on the drawings submitted to the code official, unless the code official shall notify the designer that a specific code violation exists.”

1805.2 Depth of footings. *Amend subsection to read:* “The minimum depth of footings below the undisturbed ground surface, except as excluded in Section 1805.2.1, shall be 24 inches (610 mm). Where applicable, the depth of footings shall also conform to Sections 1805.2.1 through 1805.2.3.”

1805.2.1 Frost protection. *Amend subsection to read:* “Except where erected on solid rock or otherwise protected from frost, foundation walls, piers and other permanent supports of buildings and structures larger than 400 square feet (37 m²) in area or 10 feet (3048 mm) in height shall extend below the frost line as determined from Table 1805.2.1, and spread footings of adequate size shall be provided where necessary to properly distribute the load within the allowable load-bearing value of the soil. Alternatively, such structures shall be supported on piles where solid earth or rock is not available. Footings shall not bear on frozen soils.”

Table 1805.2.1. *Create a new table to read:*

**“TABLE 1805.2.1
MINIMUM FROST PROTECTION DEPTH FOR KENTUCKY**

County	Frost Depth d _f (in)	County	Frost Depth d _f (in)	County	Frost Depth d _f (in)
Bell	27	Johnson	30	Magoffin	30
Boone	30	Kenton	30	Martin	33
Breathitt	30	Knott	33	Owsley	27
Campbell	30	Knox	27	Perry	30
Clay	27	Lawrence	27	Pike	33
Floyd	33	Leslie	30	<i>All other KY counties</i>	<i>24</i>
Harlan	30	Letcher	33		

For SI: 1 inch = 25.4 mm”

CHAPTER 19 CONCRETE

Amend Chapter 19 by creating new, deleting or adding to various sections, as follows:

1904.1 Water-cementitious materials ratio. *Amend by adding a percentage of fly ash that is the maximum for the water cement ratio. Within the phrase ...“ or ASTM C 1157, plus the weight of fly ash and other pozzolans meeting ASTM C618...,”*

Table 1904.2.1 *Delete the first sentence of Note b.*

1904.2.2 Concrete properties. *Delete the phrase in the exception “... as determined from Figure 1904.2.2, ...”*

Figure 1904.2.2 *Delete this figure in its entirety.*

Table 1904.2.2(1) *Revise the second row (below heading), first column text to read: “Exterior concrete in a moist condition or to deicing chemicals”*

Table 1904.2.2(2) *Delete the “Negligible Exposure” and the “Moderate Exposure” columns. Remove the heading from the “Severe Exposure” column.*

Table 1904.4.1 Maximum Chloride Ion Content for Corrosion Protection of Reinforcement. *In the heading for the 2nd column change the chemical symbol for chloride ion from “CL” to “Cl”.*

1907.5.1 Support. *Amend the sentence, “Where approved by the registered design professional” by adding the phrase, “of record for the project.”*

1909.2 Limitations. *Amend paragraph 1 to read: The use of structural plain concrete shall be limited to:*

- “1. Members that are continuously supported by soil, such as walls, drilled piers and footings, or by other structural support.”*

1911.1 General. *Amend the second sentence to read: “A 6-mill (0.006 inch; 152 um) minimum polyethylene vapor retarder with joints lapped not less than 6 inches (152 mm) shall be placed beneath the concrete floor slab.”*

CHAPTER 20 ALUMINUM

No changes

CHAPTER 21 MASONRY CONSTRUCTION MATERIALS

Amend Chapter 21 by creating new, deleting or adding to various sections, as follows:

2103.2 Clay or shale masonry units. *Amend by deleting the wording "wall file" and "wall tie" and inserting in lieu thereof the words "wall tile" in each separate use of those terms.*

2109.1.1 Limitations. *Delete paragraph number 2; renumber paragraph number 3 as number 2.*

2110.1.1 Limitations. *Change in the first sentence, the last sentence and Exception 1, Change "fire separation assemblies" to "fire barriers".*

CHAPTER 22 STEEL

Amend Chapter 22 by creating new, deleting or adding to various sections, as follows:

2210.2 Procedure for storage racks not covered in Section 2210.1. *Create a new subsection to read: "Storage racks not covered in Section 2210.1, such as, drive-in and drive-through racks, cantilever racks, portable racks, rack buildings and any other types of racks not noted above, shall be designed by rational analysis in accordance with generally accepted structural engineering practice. All possible unbalanced loading conditions shall be considered. Impact and lateral loads considered shall be at least equal to what is required in Section 2210.1 and shall be considered to act at the same time as, and be in addition to any unbalanced loading conditions."*

CHAPTER 23 WOOD

Amend Chapter 23 by creating new, deleting or adding to various sections, as follows:

Table 2304.6.1 Minimum Thickness of Wall Sheathing. *Change minimum thickness for fiberboard from "1 ½ inch" to "1/2 inch".*

2306.1 Allowable stress design. *At reference standard "TPI 1" Delete the referenced year "1995".*

2308.2 Limitations. *Delete paragraph number 4, including the Exception in its entirety. Renumber remaining paragraphs accordingly.*

CHAPTER 24 GLASS AND GLAZING

No Changes

CHAPTER 25 GYPSUM BOARD AND PLASTER

No Changes

CHAPTER 26 PLASTIC

No Changes

CHAPTER 27 ELECTRICAL

Amend Chapter 27 by creating new, deleting or adding to various sections, as follows:

2701.1 Scope. *Create a new Section, including subsections, to read:* “The provisions of this chapter shall control the design and construction of all new installations of electrical conductors, equipment and systems in buildings or structures; and all alterations to existing wiring systems therein to ensure safety. All such installations shall conform to the provisions of the National Electrical Code (NFPA 70) as referenced in Chapter 35 of this code. Tentative Interim Amendments issued to and accepted by the department shall be permitted to be used for interpretations of the NFPA 70.”

“2701.2 Exceptions. Electrical wiring shall not be installed in a building or structure, nor shall an alteration of an existing electrical wiring system be made, until a permit has been issued therefor as required in Section 2703, except as provided for in Sections 2701.2.1 through 2701.2.3.”

“2701.2.1 Public service agencies. The provisions of this code shall not apply to installations for electric supply or communication agencies in the generation, transmission or distribution of electricity, or the operation of signals, or the transmission of intelligence, or to installations located within or on buildings or premises occupied exclusively by such agency, or on public thoroughfares.”

“2701.2.2 Railway utilities. The provisions of this code shall not apply to installations or equipment which are employed by a railway utility in the exercise of said railway utility's function as a public carrier, and which are located outdoors or in buildings occupied exclusively for that purpose.”

“2701.2.3 Radio and television transmitting stations. The provisions of this code shall not apply to electrical equipment used for radio and television transmissions, except equipment and wiring for power supply and the installations of towers and antennas, whether erected on buildings or on the ground.”

“2701.3 Electrical inspections: Inspections conducted to determine compliance with National Electrical Code (NFPA 70), shall be conducted by certified inspectors in accordance with Kentucky Administrative Regulations 815 KAR 35:015.”

“2701.4 Electrical machinery: Electrical machinery shall comply with NFPA 79.

2702.3 Maintenance. *Amend subsection to read:* “Emergency and standby power systems shall be maintained and tested in accordance with the Kentucky Fire Prevention Code.

Section 2703, Permit and Certificate of Inspection, *Create a new Section, including subsections, to read:*

“2703.1 General. Electrical wiring or equipment shall not be installed within or on any building, structure or premises, nor shall any alteration be made in any such existing installation, without first securing approval and a permit from the code official except as provided for in Section 2703.2. It shall be unlawful to use or allow the use of, or to supply current for, an electrical system in a building or structure, unless the required certificate of inspection and permit have been issued by the code official.”

“2703.2 Exemptions. A permit shall not be required for the execution and use of the classes of work specified in Sections 2703.2.1 through 2703.2.4.”

“2703.2.1 Repairs and maintenance. A permit shall not be required for minor repair work, including the replacement of lamps or the connection of approved portable electrical equipment to approved permanently installed receptacles.”

“2703.2.2 Public service agencies. A permit shall not be required for the installation, alteration or repair of electrical equipment for the operation of communications and signals or the transmission of intelligence by wire by public service agencies, except as provided in Chapter 9 for fire alarm systems.”

“2703.2.3 Power companies. A permit shall not be required for the installation, alteration or repair of electrical equipment of a power or public service company for its use in the generation, transmission, distribution or metering of electricity.”

“2703.2.4 Temporary testing systems. A permit shall not be required for the installation of any temporary system required for the testing or servicing of electrical equipment or apparatus.”

Section 2704, Inspections and Tests, *Create a new Section, including subsections, to read:*

“2704.1 During installation. During the installation of electric systems and equipment, the certified electrical inspector shall make inspections to insure compliance with the provisions of this chapter, except as provided for in Section 2703.”

“2704.2 Concealing work. Work in connection with an electric system shall not be covered or concealed until such work has been inspected and permission to conceal such work has been approved.”

“2704.3 Final inspection and test. On completion of the work, the certified electrical inspector shall inspect the work and cause tests to be made of the operation of the entire system to insure compliance with all requirements.”

Section 2705, Temporary Use. *Create a new Section to read:*

“2705.1 Permission. The certified electrical inspector is authorized to give temporary permission for a reasonable time to supply and use current in part of an electric installation before such installation has been fully completed and the final certificate of approval has been issued. The part covered by the temporary certificate shall comply with all of the requirements specified for temporary lighting, heat or power in the National Electrical Code as referenced in Chapter 35 of this code.”

CHAPTER 28 MECHANICAL SYSTEMS

Amend Chapter 28 by creating new, deleting or adding to various sections, as follows:

Section 2801. General. *Create a new Section, including subsections, to read:*

“2801.1 Scope. The provisions of this chapter shall control the construction, inspection and maintenance of all mechanical equipment and systems in respect to structural strength, fire safety and operations.”

“2801.2 Mechanical code. All mechanical equipment and systems shall be constructed, installed and maintained in accordance with the mechanical code listed in Chapter 35 of this code.”

“2801.2.1 Mechanical ventilation alternative. Mechanical ventilating systems may be designed in accordance with the provisions of ASHRAE 62 listed in Chapter 35 as an equivalent alternative to the mechanical code listed in Chapter 35 of this code.”

“2802.2.2 Design of mechanical systems. The code official shall allow the use of the actual occupant load in lieu of Table 1003.2.2.2 in the design of mechanical ventilating systems. This applies to the mechanical code and ASHRAE 62 Standard listed in Chapter 35 of this code.”

“2801.3 Boilers. All boilers, pressure vessels and associated pressure piping shall meet the standards for construction, installation and inspection as set forth in Title 815, Chapter 15, Kentucky Administrative Regulations in KRS 236.”

“2801.4 Unfired pressure vessels. all unfired pressure vessels shall meet the standards set forth in Section VIII of the ASME Boiler and Pressure Vessel Code listed in chapter 35.”

“2801.5 Mechanical refrigeration. Mechanical refrigeration systems shall comply with ASHRAE 15 listed in Chapter 35 of this code.”

“2108.6 Gas-fired appliances. Gas-fired appliances shall comply with NFPA 54 listed in Chapter 35 of this code.”

CHAPTER 29 PLUMBING SYSTEMS

Amend Chapter 29 by creating new, deleting or adding to various sections, as follows:

2901.1 Kentucky State Plumbing Code. *Delete the existing language in its entirety and insert the following:* “The provisions of this chapter and the Kentucky State Plumbing Code shall govern the erection, installation, alteration, repairs, relocation, replacement addition to, use or maintenance of plumbing equipment and systems. Plumbing systems and equipment shall be constructed, installed and maintained in accordance with the Kentucky State Plumbing code, including all fees and licensing requirements. Private Sewage disposal systems shall conform to 902 KAR 10:081 and 10:085.”

“2902 Minimum Fixture Requirements. In a building accommodating males and females, it shall be presumed that the occupants will be equally divided between males and females, unless otherwise denoted. Each building shall have the minimum fixture requirements established by 815 KAR 20:191.”

CHAPTER 30 ELEVATORS AND CONVEYING SYSTEMS

Amend Chapter 30 by creating new, deleting or adding to various sections, as follows:

3001.2 Referenced Standards: *Amend subsection to read:* “Except as otherwise provided for in this code, the design, construction, installation, alteration, repair and maintenance of elevators and conveying systems and their components shall conform to ASME A17.1, ASME A90.1, ASME B20.1, ALI B153.1, and ASCE 24 for construction in flood hazard areas established in Section 1612.3, ASME A17.3, A17.2.2, A17.2.3, A17.4, A17.5 as referenced in Chapter 35 of this code.”

3001.2.1 Personnel and material hoists. *Create a new subsection to read:* “Personnel and material hoists shall be designed utilizing an approved method that accounts for the conditions imposed during the intended operation of the hoist device. The design shall include, but is not limited to, anticipated loads, structural stability, impact, vibration, stresses and seismic restraint. The design shall account for the construction, installation, operation and inspection of the hoist tower, car, machinery and control equipment, guide members and hoisting mechanism. Additionally, the design of personnel hoists shall include provisions for field-testing and maintenance that will demonstrate that the hoist device functions in accordance with the design. Field tests shall be conducted upon the completion of an installation or following a major alteration of a personnel hoist.”

3003.2 Fire-fighters’ emergency operation. *Amend subsection to read:* “Elevators shall be provided with Phase I emergency recall operation and Phase II emergency in-car operation in accordance with ASME A17.1 and A17.3.”

3006.4 Machine Rooms and Machinery Spaces. *Amend subsection to read:* “Elevator machine rooms and machinery spaces shall be enclosed with construction having a fire resistance rating not less than the required rating of the hoistway enclosure served by the machinery. Openings shall be protected with assemblies having a fire resistance rating not less than that required for the hoistway enclosure doors.

Machine rooms that are not located adjacent to elevator shafts shall be enclosed with construction having a fire resistance rating of not less than 1-hour.”

Section 3007. Construction Documents and Permits. *Create a new section, including subsections, to read:*

“3007.1 Application. The application for a permit shall be accompanied by construction documents in sufficient detail and indicating the location of the machinery room and equipment to be installed, relocated or altered; and all supporting structural members, including foundations. The construction documents shall indicate all materials to be used and all loads to be supported or conveyed.”

“3007.2 Permits. Equipment or devices subject to the provisions of this code shall not be constructed, installed, relocated or altered unless a permit has been received from the code official before the work is commenced. A copy of such permit shall be kept at the construction site at all times while the work is in progress.”

“3007.3 Identification of equipment. In buildings containing more than one elevator or device and where such devices are subject to periodic inspections, each such elevator or device shall be identified by a serial number, in figures not less than 1 inch (25 mm) high, attached to, painted, stenciled or otherwise registered on the crosshead of the elevator car and on the motor or machine; and on devices other than elevators, on the motor or machine. After such devices have been so designated, the serial numbers shall not be changed, except where approved by the code official, and all correspondence in regard to such device shall refer to said number.”

Section 3008.0. Certificate Of Compliance. *Create a new section, including subsections, to read:*

“3008.1 General. The operation of all equipment governed by the provisions of this chapter and hereafter installed, relocated or altered shall be unlawful by persons other than the installer thereof until such equipment has been inspected and tested as herein required and a final or limited certificate of compliance has been issued therefor by the code official.”

“3008.2 Final certificate of compliance. The code official shall issue a final certificate of compliance for each unit of equipment which has satisfactorily met all of the inspections and tests required by this chapter. Such final certificate shall bear the signature of the person who made the inspection and tests, and shall designate the rated load and speed, the date of the acceptance tests and inspections, and the name of the code official who made or witnessed such tests and inspections. The final certificate shall also include the necessary space for inserting the name of the person who made the periodic inspection and witnessed the periodic and maintenance tests and the date of the periodic inspection and the maintenance test.”

“3008.3 Limited certificate of compliance. The code official is authorized to issue a limited certificate of compliance for any equipment covered by this chapter, which is hereafter installed, relocated or altered, to permit limited use by the person designated therein during the period of such installation, relocation or alteration. Such certificate shall be signed by the code official, shall bear the dates of issue, renewal and expiration, and shall designate the class of service allowed.”

“3008.3.1 Tests and minimum safeguards required. A limited certificate shall not be issued for an elevator until such elevator has satisfactorily passed tests for rated load, car and counterweight safety, and terminal stopping devices. Permanent or temporary guards and enclosures shall be installed on the car, around the hoistway and at the landing entrances. Equipment other than elevators shall be tested and protectives shall be provided as deemed necessary by the code official to ensure safe operation for the limited service specified.”

“3008.3.2 Special conditions. Automatic and continuous-pressure operation elevators shall not be placed in temporary operation from the landing pushbuttons unless the door-locking device and interlocks required by ASME A17.1 listed in Chapter 35 are installed and operative. Where the car is operable only from the inside, landing entrance guards shall be provided with locks that are releasable from the hoistway side only.”

“3008.3.3 Time limitation. Limited certificates of operation shall be issued for periods of not more than 30 days. The code official is authorized to renew the limited certificates of operation for additional periods of not more than 30 days each.”

“3008.4 Posting certificates of compliance. The owner or lessee shall post the last-issued certificate of compliance in a conspicuous place on the elevator, available to the code official.”

Section 3009. Power Elevator Operation. *Create a new Section, including subsections, to read:*

“3009.1 Designated operator: Every power elevator, except automatic and continuous-pressure operation types and sidewalk elevators, shall be in the charge of a competent designated operator.”

“3009.2 Emergency operation: All elevators shall conform to the requirements of Section 211 of ASME A 17.1.”

“3009.2.1 Smoke detectors: Smoke detectors shall be installed in accordance with NFPA 72 and Section 211 of ASME A17.1.”

“3009.2.2 Activation: The emergency operation shall be activated by smoke detectors installed in accordance with Section 211 of ASME A17.1 .

“3009.2.3 Automatic sprinklers: Where an automatic sprinkler is installed in elevator hoistways or elevator equipment rooms, means shall be provided to automatically disconnect the main line power supply to the affected elevator upon or prior to the application of water from sprinklers located in the machine room or elevator hoistway. This means shall be independent of the elevator control and shall not be self-resetting. The activation of sprinklers outside of the hoistway or machine room shall not disconnect the main line power supply. Smoke detectors shall not be used to activate sprinklers in these spaces or to disconnect the main line power supply.”

“3009.3 Accessible elevators: See Chapter 11 for buildings and facilities required to be accessible to persons with physical disabilities.”

Section 3010. Stairway Chair-Lifts And Wheelchair Lifts. *Create a new Section to read:*

“3010.1 General. Inclined stairway chairlifts and inclined and vertical wheelchair lifts shall conform to the requirements of ASME A17.1.”

Section 3011. Maintenance and Accidents. *Create a new Section, including subsections, to read:*

“3011.1 Owner responsibility: The owner or the owner’s legal agent for the building in which the equipment is located shall be responsible for the care, maintenance and safe operation of all equipment covered by this chapter after the installation thereof and acceptance by such owner or agent. The owner or legal agent shall make or cause to be made all periodic tests and inspections, and shall maintain all equipment in a safe operating condition, as required by this chapter.”

“3011.2 Contractor responsibility: The person installing any device covered by this chapter shall make all acceptance tests and shall be responsible for the care and safe operation of such equipment during its construction and until temporarily or finally accepted by the building owner or the owner’s legal agent.”

“3011.3 Maintenance items: All operating and electrical parts and accessory equipment or devices subject to this chapter shall be maintained in a safe operating condition. The maintenance of all equipment covered by this chapter shall conform to ASME A17.1, ASME B20, or ANSI A10.5 listed in Chapter 35.”

“3011.4 Accidents reported and recorded: The owner of the building shall immediately notify the code official of every accident involving personal injury or damage to apparatus on, about or in connection with any equipment covered by this chapter, and shall afford the code official every facility for investigating such accident. When an accident involves the failure, breakage, damage or destruction of any part of the apparatus or mechanism, it shall be unlawful to use such device until after an examination by the code official is made and approval of the equipment for continued use is granted. It shall be the duty of the code official to make a prompt examination into the cause of the accident and to enter a full and complete report thereof in the records of the building department. Such records shall be open for public inspection at all reasonable hours.”

“3011.5 Removal of damaged parts: It shall be unlawful to remove from the premises any part of the damaged construction or operating mechanism of elevators, or other equipment subject to the provisions of this chapter, until permission to do so has been granted by the code official.”

CHAPTER 31 SPECIAL CONSTRUCTION

No Changes

CHAPTER 32 ENCROACHMENT INTO THE PUBLIC RIGHT- OF-WAY

No Changes

CHAPTER 33 SAFEGUARDS DURING CONSTRUCTION

No Changes

CHAPTER 34 EXISTING STRUCTURES

Amend Chapter 34 by creating new, deleting or adding to various sections, as follows:

3401.2 Maintenance. *Amend subsection by deleting fourth sentence in paragraph beginning with “To determine compliance....”*

3401.3 Compliance with other codes. *Amend subsection to read: “Alterations, repairs, additions and changes of occupancy to existing structures shall comply with the provisions for alterations, repairs, additions and changes of occupancy in the Kentucky Fire Code, National Fuel Gas Code, Kentucky Plumbing Code, International Mechanical Code, and National Electrical Code.”*

3402.1 Existing buildings or structures. *Amend subsection by inserting the following sentence at the end of the paragraph: “If a fire wall separates the existing portion from the addition, both buildings shall comply with the height and area provisions of Chapter 5 as separate buildings.”*

3402.4 Stairways. *Amend subsection to read: “Replacement of an existing stairway in an existing structure shall not be required to comply with the requirements of a new stairway as outlined in Section 1003.3.3 where the existing space and construction will not allow a reduction in pitch or slope.”*

3406.1 Historic buildings. *Amend subsection to read: “The restoration or renovation of a building on a federal, state or local historic register solely to return the building to its original design shall not require the remainder of the building to comply with this code, except for changes of occupancy or alterations governed by Section 3402 or 3405.”*

3407.1 Conformance. *Amend subsection to read: “Buildings and structures moved into or within the Commonwealth shall comply with the provisions of this code for new buildings and structures and shall not be used or occupied until the certificate of occupancy, if required, has been issued by the code official.”*

Section 3408 Accessibility For Existing Buildings. *Delete this Section in its entirety and insert the following subsections in lieu thereof.*

“3408.1 Maintenance of facilities. Any building, facility, dwelling unit or site which is constructed or altered to be accessible shall be maintained accessible during its occupancy.”

“3408.2 Alterations. Each element or space of a building or facility that is altered shall comply with Chapter 11, unless technically infeasible. Where full compliance is technically infeasible, the element or space shall be made accessible to the extent to which it is not technically infeasible.”

3409.2 Applicability. *Insert the date “August 15, 1982” in the first sentence.*

Correct Typographical Error as Confirmed By Boca in the following Table:

TABLE 3409.6.3
COMPARTMENTATION VALUES

CATEGORIES					
OCCUPANCY	a	B	c	d	e
A1, A3	0	6	10	14	18
A2	0	4	10	14	18

CHAPTER 35 REFERENCED STANDARDS

Delete Chapter 35 of the existing IBC and insert the following references to read:

This chapter lists the standards that are referenced in various sections of this document. The standards are listed herein by the promulgating agency of the standard, the standard identification, the effective date and title, and the section or sections of this document that reference the standard. The application of the referenced standards shall be as specified in Section 102.8.

AA		Aluminum Association 900 - 19th Street NW., Suite 300 Washington, DC 20006
Standard Reference Number	Title	Referenced in code section number
AA-ADM1-00	Aluminum Design Manual Part I-A Aluminum Structures. Allowable Stress Design; and Part 1- B —Aluminum Structures. Load and Resistance Factor Design of Buildings and Similar Type Structure.....	1604.3.5, 2002.1
AA ASM 35-80	Aluminum Sheet Metal Work in Building Construction.....	2002.1

AAMA		American Architectural Manufacturers Association 1827 Waldon Office Square Suite 104 Schaumburg, IL 61173
Standard Reference number	Title	Referenced in code section number
AAMA 1001-97	Design Load of Metal Flag Poles (was NAAMM)	1609.1.1
AAMA 1402-86	Aluminum Siding, Soffit and Fascia.....	1404.5.1
AAMA/NWDA 101/I.S.2-97	Voluntary Specifications for Aluminum Sliding Vinyl PVC Wood Windows and Glass Doors.....	1714.5.1

ACI		American Concrete Institute P.O. BOX 9094 Farmington Hills, MI 48333-9094
Standard reference Number	Title	Referenced In code Section number
ACI 216.1-97	Standard Method for Determining Fire Resistance of Concrete and Construction Assemblies.....	Table 719.1(2), 720.1
ACI 318-95	Building Code Requirements for Structural Concrete.....	2213.1
ACI 318-99	Building Code Requirements for Structural Concrete..... 1617.6.4.3, Table 1704.3, 1704.4.1, Table 1704.4, 1708.3, 1805.4.2.6, 1805.9, 1807.2.23.2, 1808.2.3.2, 1808.2.3.2.2, 1865.4.2.6, 18t) 5.9.81)7.2.23.2, 8(18.2.3.2. 81)8.2.3.2.2, 1811.8, 1901.2, 1901.3, 1901.4, 1902, 1903.1, 1903.2, 1903.3, 1903.4, 1903.5.1, 1903.6, 1904.4.2, 1905.1.4, 1905.3, 1905.4, 1905.5, 1905.6.5.5, 1905.8.3, 1905.11.3, 1906.1.5, 1906.3, 1906.4.3, 1907.1, 1907.2, 1907.4.1, 1907.6, 1907.7.2, 1907.7.3, 1907.7.4, 1907.8, 1907.9, 1907.10, 1907.11, 1907.12, 1907.13, 1908, 1909.1, 1909.3, 1909.4, 1909.5, 1909.6, 1910.1, 1910.2.1, 1910.2.3, 1910.2.4, 1910.3.1, 1910.4.2, 1910.4.3, 1910.4.4, 1910.4.4.1, 1910.5.2, 1913.1, 1913.2.1, 1913.3.2, 1913.4.4, 1913.4.5, 1913.5.2.7, 1913.8.1	604.3.2, 1604.3.4, 1605.2.1, Table 1617.6,

Continued on Next Page

ACI 530-99	Building Code Requirements for Masonry Structures1405.5, 1405.5.3, 1405.5.3.1, 1405.9, 1604.3.4, 1704.5.1, 1704.5.2, 1704.5.3, Table 1704.5.3, 1708.1.1, 1708.1.2, 1708.1.4, 1805.5.2, 1811.7, 2101.2.3, 2101.2.4, 2104.1, 2104.1.1, 2106.1.1, 2106.1.1.1, 2106.1.1.2, 2106.1.1.3, 2106.1.1.4, 2106.1.1.5, 2106.1.2, 2106.1.2.1, 2106.1.2.2, 2106.1.2.3, 2106.2, 2106.4.2.1, 2106.2.2, 2106.5.1, 2107.2.3, 2107.2.4, 2 107.2.5, 2108.6.5, 2108.7.2, 2109.1, 2109.2.3.1
ACI 530.1—99	Masonry Structure..... 1405.5.2. 1405.9.1 Table 1704.5.1, Table 1704.5.3, 1805.5.2, 2104.1, 2104.1.1, 2108.7.2, 2109.1, 2109.2.3.1

AF&PA

American Forest & Paper Association
1111 19th St, NW Suite 800
Washington, DC 20036

Standard Reference number	Title	Referenced in code Section Number
AF&PA/ASCE 16-95	Standard for Load and Resistance Factor Design (LRFD) for Engineered Wood Construction	2307.1
No. 4-89	Plank and Beam Framing for Residential Buildings	2306.1 .2
WFCM	Wood Frame Construction Manual for One-and Two-family Dwellings, 1995 SBC High-wind Edition. Copyright 1996	609 1.1, 2308.2
Technical Report 7-87	Basic Requirements for Permanent Wood Foundation System	1805.4.6, 1806.2, 2304.9.5
AF&PA NDS-97	Wood Construction and Supplement	720.6.3.2, 1715.1.1, 1715.1.4, 1805.4.5, 1808.1, 2306.1, 2306.2.1, 2306.3.2, Table 2306.3.1, Table 2306.4.1. 2306.3.4, 2306.3.5, 2306.4.1, 2308.2.1. Table 2308.9.3(4)
AF&PA	Span Tables for Joists and Rafters	2306.1.1, 2308.8, 2308.10.2, 2308.10.3

AHA

American Hardwood Association
1210 West N.W. Highway
Palatine, IL 60067

Standard Reference Number	Title	Referenced in code section number
AHA A135.4-95	Basic Hardboard	1404.3.1. 2303.1.6
AHA A135.5-95	Prefinished Hardboard Paneling	2303.1.6, 2304.6.2
AHA A135.6-98	Hardboard Siding	1404.3.2, 2303.1.6
AHA 194.1-85	Cellulosic Fiber Board	2303.1.5

AISC

American Institute of Steel Construction
One East Wacker Drive, Suite 3100
Chicago, IL 60601-2001

Standard Reference Number	Title	Reference in code section number
AISC .ASD (1989)	Specification for Structural Steel Buildings — Allowable Stress Design, Plastic Design	1604.3.3, 1621.3.13.2, Table 1617.6, Table 1704.3, 2203.2, 2204
AISC LRFD (1999)	Load and Resistance Factor Design for Structural Steel Buildings, including Supplement No. 1 Dated January 1998.....	1604.3.3, Table 1617.6. Table 1704.3, 2203.2, 2204, 2213.1
AISC HSS (1997)	Specification for the Design of Steel Hollow Structural Sections.....	1604.3.3, Table 1617.6. 2203.2, 2204
AISC Seismic (1997)	Seismic Provisions for Structural Steel Buildings, including Supplement No. 1 dated 1999.....	Table 1617.6, 1622.3.4.1, 1707.2, 1708.4, 2212.1.1, 2212.1.2, 2213.1, 2213.2

AISI

American Iron and Steel Institute
1101 - 17th Street, NW., Suite 1300
Washington, DC 20036-4700

Standard reference number	Title	Referenced in code section number
AISI (1996)	Specification for Design of Cold-formed Steel Structural Members.....	604.3.3, 2205.1, 2211.1

AITC

American Institute of Timber Construction
Suite 140
7012 S. Revere Parkway
Englewood, CO 80112

Standard Reference Number	Title	Referenced in code section number
AITC A 190.1-92	Structural Glued Laminated Timber	2303.1.3, 2306.1
AITC Technical Note 7— 1996	Calculation of Fire Resistance of Glued Laminated	720.6.3.3
AITC 104-84	Typical Construction Details	2306.1
AITC 110-97	Standard Appearance Grades for Structural Glued Laminated Timber	2306.1
AITC 112-93	Standard for Tongue-and-groove Heavy Timber Roof Decking	2306.1
AITC 113-93	Standard for Dimensions of Structural Glued Laminated Timber	2306.1
AITC 117-93	Standard Specifications for Structural Glued Laminated Timber of Softwood Species — Design, with February 27, 1998 Addendum Standard Specifications for Structural Glued Laminated Timber of Softwood Species — Manufacturing	2306.1
AITC 119-96	Standard Specifications for Structural Glued Laminated Timber of Hardwood Species	2306.1
AITC 200-92	Inspection Manual.....	2306.1
AITC 500-91	Determination of Design Values for Structural Glued Laminated Timber.....	2306.1

ALI

Automotive Lift Institute
P. O. Box 33116
Indialantic, FL 32903-3116

Standard reference number	Title	Referenced in code section number
ALI ALCTV-98	Standard for Automobile Lifts-Safety Requirements for the Construction, Testing and Validation	3001.2

ANSI

American National Standards Institute
25 West 43rd Street, Fourth Floor
New York, NY 10036

Standard reference number	Title	Referenced in code section number
ANSI A 13.1-96	Scheme for Identification of Piping Systems	415.9.6.4
ANSI A 42.2-71	Portland Cement and Portland Cement Lime Plastering, Exterior (Stucco) and Interior... ..	2109.8.4.6
ANSI A 42.3-71	Lathing and Furring for Portland Cement and Portland Cement Lime Plastering, Exterior Stucco and Interior	2109.8.4.6
ANSI A 108.1A&B-92	Glazed Wall Tile, Ceramic Mosaic Tile, Quarry Tile and Paver Tile Installed with Portland Cement Mortar.	2103.9

Continued on Next Page

ANSI A 108.4-92	Ceramic Tile Installed with Organic Adhesives or Water-Cleanable Tile Setting Epoxy Adhesives2103.9.7
ANSI A 108.5-92	Ceramic Tile Installed with Dry-set Portland Cement Mortar or Latex Portland Cement Mortar..2103.9.1, 2103.9.2, 2103.9.3
ANSI A 108.6-92	Ceramic Tile Installed with Chemical-resistant. Water Cleanable Tile-setting-and-grout Epoxy2103.9.4
ANSI A 108.8-92	Ceramic Tile Installed with Chemical-resistant Furan Mortar and Grout 2103.9.5
ANSI A 108.9-92	Ceramic Tile Installed with Modified Epoxy Emulsion Mortar/Grout 2103.9.6
ANSI A 108.10-92	Installation of Grout in Tilework 2103.9.8
ANSI A 118.1-92	Dry-set Portland Cement Mortar2103.9.1
ANSI A 118.2-92	Conductive Dry-set Portland Cement Mortar 2103.9.2
ANSI A 118.3-92	Chemical-resistant, Water-cleanable Tile-setting and Grouting Epoxy and Water Cleanable Tile-setting Epoxy Adhesive 2103.9.4
ANSI A 118.4-92	Latex-portland Cement Mortar 2103.9.3
ANSI A 118.5-92	Specifications for Chemical Resistant Furan2103.9.5
ANSI A 118.6-92	Ceramic Tile Grouts2103.9.8
ANSI A 118.8-92	Modified Epoxy Emulsion Mortar/Grout2103.9.6
ANSI A 136.1-92	Organic Adhesives for Installation of Ceramic Tile 2103.9.7
ANSI A 137.1-88	Ceramic Tile2103.4
ANSI A 208.1-99	Particleboard 2303.1.7, 2303.1.7.1
ANSI B 31.3-99	Chemical Plant and Petroleum Refinery Piping including Addendum 415.9.6.1
ANSI Z. 97.1-84	Safety Glazing Materials used in Buildings-safety Performance Specifications and Methods of test 2406.1, 2406.1.2, 2407.1
ANSI TPI 1-95	National Design Standard for Metal Plate Connected Wood Trusses Construction 2306.1
ANSI/SPRI ES-1	Wind Design Standard for Edge Systems Used with Low Slope Roofing Systems1504.5

API	American Petroleum Institute 15 Iverness Way East Englewood, CO 80112-5776	
	Standard Reference Number	Referenced in code section number
API 620	Design and Construction of Large, Welded, Low-Pressure Storage Tanks, 9 th Ed	1622.4.3
API 650	Welded Steel Tanks for Oil Storage, 10 th Ed	1622.4.3

ASAE	American Society of Agricultural Engineers 2950 Niles Road St. Joseph, MI 49085-9659	
	Standard Reference Number	Referenced in code section number
ASAF EP 484.2	Diaphragm Design of Metal-Clad. Post-Frame Rectangular Buildings	2306.1
ASAE 559	Design Requirements and Bending Properties for Mechanically Laminated Columns.....	2306.1

ASCE	American Society of Civil Engineers 1801 Alexander Bell Drive Reston VA 20191-4400	
	Standard Reference Number	Referenced in code section number
ASCE 3-91	Standard for the Structural Design of Composite Slabs.....	1604.3.3, 2205.2

Continued on Next Page

ASCE 5—99	Building Code Requirements for Masonry Structures1405.5, 1405.5.3, 1405.5.3.1, 1405.9 1604.3.4, 1704.5, 1704.5.1, 1704.5.2, 1704.5.3, Table 1704.5.1, Table 1704.5.3, 1708.1.1, 1708.1.2, 1708.1.3, 1708.1.4, 1811.7, 2101.2.3, 2101.2.4, 2106.1.1, 2106.1.1.1, 2106.1.1.2, 2106.1.1.3, 2106.1.1.4, 2106.1.1.5, 2106.1.2, 2106.1.2.1, 2106.1.2.2, 2106.1.2.3, 2106.2, 2106.4.2.1, 2106.4.2.2, 2106.5.1, 2107.1, 2107.2, 2107.2.1, 2107.2.2, 2107.2.3, 2107.2.4 2107.2.5, 2108.6.5, 2109.1, 2109.2.3.1
ASCE 6—99	Specifications for Masonry Structures 1405.5.2, 1405.9.1, Table 1704.5.1, Table 1704.5.3, 1805.5.2, 2104.1, 2104.1.1, 2108.7.2
ASCE 7—98	Minimum Design Loads for Buildings and Other Structures1605.2.1, 1605.2.2, 1605.3.1.2, 1605.3.2, 1605.3.3, 1608.1, 1608.3, 1608.3.4, 1608.3.5, 1608.4, 1608.5, 1608.6, 1608.7, 1608.8, 1608.9, 1609.1.1, 1609.2, 1609.3, 1609.7.3, 1612.2, 1619
ASCE 8—90	Design of Cold-formed Stainless Steel Structural Members1604.3.3, 2205.1,2211.1
ASCE 16—95	Standard for Load Resistance Factor Design (LRFD) for Engineered Wood Construction 2307.1
ASCE 19—95	Structural Applications of Steel Cables for Buildings2207.1, 2207.2
ASCE 24—98	Flood Resistance Design and Construction Standard 1202.3.2, 1612, 1612.4, 1612.5, 3001.2

ASME

American Society of Mechanical Engineers
Three Park Avenue
New York, NY 10016-5990

Standard Reference number	Title	Referenced in code section number
ASME A17.1-96	Safety Code for Elevators and Escalators -with A17.1a-97, A17.1b-98 and A17.1c-99Addenda1003.2.13.3, 1003.2.13.4, 1607.8.1, 1621.3.14, 1621.3.14.1, 1621.3.14.3, 3001.2, 3001.4, 3002.5, 3003.2, 3408.1, 3408.2	
ASME A17.2.1-96	Inspectors' Manual for Electric Elevators – with A17.2.1a-97 Addenda.....	
ASME A17.2.2-98	Inspectors' Manual for Hydraulic Elevators	
ASME A17.2.3-00	Inspectors' Manual for Escalators and Moving Walks	
ASME A17.3-00	Safety Code for Existing Elevators and Escalators	
ASME A17.4-99	Guide for Emergency Personnel	
ASME A17.5-96.1-97	or and Escalator Electrical Equipment	
ASME B16.18-84 (R94)	Safety Standard for Belt Manlifts — with A90.1a-99 Addendum.....	3001.2
ASME B16.22-95	Cast Copper Alloy Solder Joint Pressure Fittings	909.13.1
ASME B20.1-96	Wrought Copper and Copper Alloy Solder Joint Pressure Fittings with B16.22a-98 Addendum	909.13.1
ASME B31.1-98	Safety Standard for Conveyors and Related Equipment — with B20.1-97 and B20.1b-98 Addenda	3001.2, 3005.3
ASME B31.3-99	Power Piping	1621.3.10.2
ASME B31.4-98	Process Piping	1621.3.10.2
ASME B31.5-92	Liquid Transportation Systems for Hydrocarbons Liquid Petroleum Gas, Anhydrous Ammonia, and Alcohols ...	1621.3.10.2
ASME B31.8-95	Refrigeration	1621.3.10.2
ASME B31.9-96	Gas Transmission and Distribution Piping Systems	1621.3.10.2
ASME B31.11-89 (Reaffirmed 1998)	Building Services Piping	1621.3.10.2
ASME-B31.4-98	Slurry Transportation Piping Systems	1621.3.10.2
	Boilers and Pressure Vessels Code	1621.3.11.1, 2801.4

ASTM

American Society for Testing and Materials
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

No Changes

AWPA

American Wood-Preservers' Association
P.O. Box 5690
Grandbury, TX 76049

Standard Reference Number	Title	Referenced in code section number
AWPA C1-99	All Timber Products-Preservative Treatment by Pressure Processes	1403.6, 1505.6.1, 2303.1.8
AWPA C2-99	Lumber, Timber, Bridge Ties and Mine Ties-Preservative Treatment by Pressure Process	1403.6, Table 1507.9.5, 1805.4.5, 1805.7.1, 2303.1.8, 2304.11.2, 2304.11.4, 2304.11.7
AWPA C3-99	Piles-Preservative Treatment by Pressure Processes	1403.6, 1805.4.5, 1808.1.2, 2303.1.8
AWPA C4-99	Poles-Preservative Treatment by Pressure Processes	1403.6, 1805.7.1, 1808.1.2, 2303.1.8
AWPA C9-99	Plywood-Preservative Treatment by Pressure Processes	1403.6, 2303.1.8, 2304.11.2, 2304.11.4, 304.11.7
AWPA C14-99	Wood for Highway Construction, Pressure Treatment	2303.1.8
AWPA C15-99	Wood for Commercial-Residential Construction Preservative Treatment by Pressure Process	1403.6, 2303.1.8
AWPA C16-97	Wood Used on Farms, Pressure Treatment	2303.1.8
AWPA C18-99	Standard for Pressure Treated Material in Marine Construction	1403.6
AWPA C20-93	Structural Lumber-Fire Retardant Treatment by Pressure Processes	1805.4.6, 2303.2, 2303.1.8
AWPA C22-96	Lumber and Plywood for Permanent Wood Foundations-Preservative Treatment by Pressure Processes.....	1403.6, 1805.4.6, 2303.1.8
AWPA C23-94	Round Poles and Posts Used in Building Construction-Preservative Treatment by Pressure Processes	2303.1.8
AWPA C24-96	Sawn Timber Piles Used for Residential-Commercial Building	1403.6, 1808.1.2, 2303.1.8
AWPA C27-88	Plywood-Fire-Retardant Treatment by Pressure Process.....	2303.2
AWPA C28-99	Standard for Preservative Treatment of Structural Glued Laminated Members and Laminations before Gluing of Southern Pine, Coastal Douglas-Fir, Hemfir and Western Hemlock by Pressure Processes.....	1403.6, 2303.1.8
AWPA M4-99	Standard for the Care of Preservative-Treated Wood Products	1808.1.2, 2303.1.8
AWPA P1/13-95	Standard for Coal Tar Creosote for Land and Fresh Water and Marine (Coastal Water) Use	03.6, 2303.1.8
AWPA P2-98	Standard for Creosote Solutions	1403.6, 2303.1.8
AWPA P5-99	Standard for Waterborne Preservatives	2303.1.8
AWPA P8-99	Standard for Oil-borne Preservatives	2303.1.8
AWPA P9-98	Standard for Solvents and Formulations for Organic Preservative Systems	2303.1.8

AWS

American Welding Society
550 NW. LeJeune Road
Miami, FL 33126

Standard Reference Number	Title	Referenced in code section number
D1.1-00	Structural Welding Code-Steel.....	Table 1704.3, 1704.3.1, 1708.4
D1.3-98	Structural Welding Code-Sheet Steel	Table 1704.3
D1.4-98	Structural Welding Code-Reinforcing Steel.....	Table 1704.3, 1903.5.2., 2108.9.2.11, Item 2

AWWA

American Water Works Association
6666 West Quincy Avenue
Denver, CO 80235

Standard Reference Number	Title	Referenced in code Section number
ANSI/AWWA D100-97	Welded Steel Tanks for Water Storage.....	1622.4.3

BHMA

Builders Hardware Manufacturers' Association
355 Lexington Avenue, 17th Floor
New York, NY 10017-6603

Standard Reference Number	Title	Referenced in code Section number
A 156.10-99	Power Operated Pedestrian Doors.....	1003.3..1.3.2
A 156.19-97	Power Assist and Low Energy Operated Doors.....	1003.3.1.3.2

CGSB

Canadian General Standards Board
222 Queens Street
14th Floor, Suite 1402
Ottawa, Ontario Canada KIA 1G6

Standard reference number	Title	Referenced in code section number
37-52M—84	Roofing and Waterproofing Membrane, Sheet Applied, Elastomeric.....	1504.6, 1507.12.2
37-54-95	Polyvinyl Chloride Roofing and Waterproofing membrane.....	1597.13.2
37-56M-80	Membrane, Modified, Bituminous, Prefabricated, and Reinforced for Roofing -with December 1985 Amendment	1507.11.2

CISCA

Ceiling and Interior Systems Construction Association
1500 Lincoln Highway, Suite 202
St. Charles, IL 60174

Standard Reference Number	Title	Referenced in code section number
02—91	Recommendations for Direct-hung Acoustical Tile and Lay-in panel ceilings	1621.2.5.2.1
3-4-9 1	Guidelines for Seismic Restraint Direct Hung Suspended Ceiling Assemblies	1621.2.5.2.2

CPSC

Consumer Products Safety Commission
4430 East West Highway
Bethesda, MD20814-4408

Standard Reference Number	Title	Referenced In code section number
16 CFR 107-97	Room Fire Test Standard for Garage Doors Using Foam Plastic Insulation	2603.4.1.9
16 CFR 1201-77	Safety Standard for Architectural Glazing	2406.1, 2406.1.2, 2407.1, 2408.2
16 CFR 1209-79	Interim Safety Standard for Cellulose Insulation	718.6
16 CFR 1404-79	Cellulose Insulation.....	718.6
16 CFR 1500-91	Hazardous Substances and Articles; Administration and Enforcement Regulations	307.2
16 CFR 1500 44-91	Method for Determining Extremely Flammable and Flammable Solids	307.2
16 CFR 1507-91	Fireworks Devices	307.2
16 CFR 1630-70	Standard for the Surface Flammability of Carpets and Rugs	804.5.1
(DOC FF 1 70)-98		

CSSB

Cedar Shake and Shingle Bureau
P0 Box ff78
Sumas, WA 98295-1178

Standard reference number	Title	Referenced in code section number
CSSB-97	Grading Rules.....	Table 1507.8.4, Table 1507.9.5

DASMA

Door and Access Systems Manufacturer's
Association International
1300 Summer Avenue
Cleveland, OH 44115-2851

Standard reference number	Title	Referenced in code section number
107-97	Room Fire Test Standard for Garage Doors Using Foam Plastic Insulation	2603.4.1.9

DOC

Department of Commerce
National Institute of Standards and Technology
100 Bureau Drive Stop 3460
Gaithersburg, MD 20899

Standard reference number	Title	Referenced in code section number
PS-1-95	Construction and Industrial Plywood	22 11.3. 1, 2303.1 4, 2304.6.2, Table 2304.7(4), 2306.3.2
PS-2-92	Performance Standard for Wood-based Structural-use Panels	1808.1.1, 2211.3. 1, 2303.1.4, 2304.6.2,
PS 20-99		Table 2304.7(4), Table 2304.7(5), Table 2306. 3.1, 2306.3.2
	American Softwood Lumber Standard	1808 1.1, 2302, 2303.1.1

DOJ

U.S. Department of Justice
c/o Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20402-9325

Standard Reference number	Title	Referenced i n code section number
36 CFR., Part 1191 – Appendix A and C	Nondiscrimination on the Basis of Disability by Public Accommodations in Commercial Facilities: ADA Accessibility Guidelines for Building and Facilities.....	406.2.2, 907.9.1.3, 1003.2.13.5.5, 1003.3.4, 1003.3.4.5.5, 1003.3.4.8, 1101.2, 1102.1, 1104.2.1, 1104.3.1, 1105.1, 1105.2, 1105.3, 1105., 1106.2, Table 1106.2, 1106.3, 1106.4, 1106.4.8, 1106.5, 1106.6, 1107.2, 1107.3, 1107.5.4, 1108.1, 1108.2 , 1108.2.1.1, 1108.2.2, 1108.3, 1108.4, 1108.8, 1109.2.1, 1109.2.2.1, 1109.2.2.2, 1109.2.2.3, 1109.2.3, 1109.2.5, 1109.2.8, 1110.2, 1110.4, 1405.10.4, 1607.7, 3001.3, 3408.5, 3408.7.1, 3408.7.2

DOL

U.S. Department of Labor
c/o Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20402-9325

Standard reference number	Title	Referenced in code section number
29 CFR 1910.1000-74	Air Contaminants.....	.902.1

DOTn

U S Department of Transportation
c/o Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20402-9325

Standard Reference Number	Title	Referenced in code section number
49 CFR Parts 173-178-99	Specification of Transportation of Explosive and Other Dangerous Articles. UN 0335, UN 0336 Shipping Containers	307.2
49 CFR Part 172-99	Hazardous Materials Tables, Special Provisions, Hazardous Materials Communications. Emergency Response Information and Training Requirements	307.2

EIA

Electronics Industries Association
2500 Wilson Boulevard
Arlington, VA 2220 1-3834

Standard Reference Number	Title	Referenced in code section number
EIA/TIA 222-E-91	Structural Standards for Steel Antenna Towers and Antenna Supporting Structures	3108.4

EWA

APA - Engineered Wood Association
P.O. Box 11700
Tacoma, WA 98411-0700

Standard Reference Number	Title	Referenced in code section number
APA PDS-97	Plywood Design Specification2306.1, Table 2306.3.1, 2306.3.2, 2306.3.4, 2306.3.5, 2306.4.1 Supplement 1-Design and Fabrication of Plywood Curved Panels2306.1 Supplement 2-Design and Fabrication of Plywood-lumber beams 2306.1 Supplement 3-Design and Fabrication of Plywood Stressed-skin Panels 2306.1 Supplement 4-Design and Fabrication of Plywood Sandwich Panels 2306.1 Supplement 5-Design and Fabrication of All-plywood Beams 2306.1	
EWS R540-96	Builders Tips: Proper Storage and Handling of Glulam Beams.....	2306.1
EWS S475-99	Data File: Glued Laminated Beam Design Tables.....	2306.1
EWS S560-99	Field Notching and Drilling of Glued Laminated Timber Beams	2306.1
EWS T300-99	Product and Application Guide.....	2306.1
EWS X440-98	Glulam Connection Details	2306.1
EWS X445-97	Glulams in Residential Construction-Southern Edition	2306.1
EWS X450-97	Glulams in Residential Construction-Western Edition	2306.1

FEMA

Federal Emergency Management Agency
Federal Center Plaza
500 C Street SW.
Washington, DC 20472

Standard reference number	Title	Referenced in code section number
FEMA 302	NEHRP Recommended Provisions for Seismic Regulations for New Buildings and Other Structures.....	Figure 1615(7), Figure 1615(8), Figure 1615(9), Figure 1615(10)

FM

Factory Mutual
Standards Laboratories Department
1151 Boston-Providence Turnpike
Norwood, MA 02062

Standard Reference Number	Title	Referenced in code section number
4450-90	Approval Standard for Class I Insulated Steel Deck Roofs.- with Supplements thru 7/92.....	1504.3.1, 1508.1, 2603.3, 2603.4.1.5
4470-86	Approval Standard for Class I Roof Coverings - with Supplements thru August 1992.....	1504.3. 1.1, 1504.6
4480-94	Approval Standard for Class I: a) Insulated Wall or Wall and Roof/Ceiling Panels, b)Plastic Interior Finish Materials, c) Plastic Exterior Building Panels, d) Wall/Ceiling Coating Systems and e) Interior or Exterior Finish Systems	2603.4, 2603.7

GA

Gypsum Association 810
First Street N.E. #510
Washington. DC 20002-4268

Standard Reference number	Title	Referenced in code section number
GA 216-00	Application and finishing of Gypsum Board	Table 2508.1, 2509.1.2
GA 600-00	Fire-resistance Design Manual, 16 th Edition, April.,2000	Table 719.1(1), Table 719.1(2), Table 719.1(3)

HPVA

Hardwood Plywood Veneer Association
1825 Michael Faraday Drive
Reston, VA 20 190-535))

Standard Reference Number	Title	Referenced in code section number
ANSI/HPVA HP 1-1994	The American National Standard for Hardwood and Decorative Plywood	2303.3, 2304.6.2

ICC

International Code Council
5203 Leesburg Pike. Suite 708
Falls Church, VA 22041

Standard Reference Number	Title	Referenced in code section number
IECC-2000	International Energy Conservation Code.....	101.4.7, 1202.3.2, 1301.1.1, 1403.2
IFC-2000	International Fire Code®.....	101.4.6, 102.6, 307.2, 307.9, Table 307.7(1), Table 307.7(2), 403.8, 404.2, 406.5.1, 410.3.7, 411.1, 412.4.1, 413.1, 414.1.1, 414.1.2, 414.2.4, Table 414.2.4, 414.3, 414.5, Table 414.5.1, 414.5.2, 414.5.4, 414.5.5, 414.6, 415.1, 415.3, Table 415.3.1, 415.7, 415.7.1, 415.7.1 .4, 415.7.2, 415.7.2.3, 415.7.2.5, 415.7.2.7, 415.7.2.8, 415.7.2.9, 415.7.3, 415.7.3.3.3, 415.7.3.5, 415.7.4, 415.8, 415.9.1, 415.9.2.7, 415.9.5.1, 415.9.7.2, 704.8.2, 901.2, 901.3, 901.5, 903.2.6.1, 903.2.13, Table 903.2.15, 903.5, 905.1, 904.2.1, 906.1, 907.2.5, 907.2.12.2, 907.2.14, 907.2.16, 907.19, 909.20, 910.2.3, Table 910.3, 1001.3, 1202.4.2, 1202.5, 2702.2.8, 2702.2.10, 2702.2.11, 2702.3, 2702.12, 2702.3, 3102.1, 3103.1, 3309.2, 3401.3, 3409.3.2, 3409.6.8.1, 3409.6.14, 3409.6.14.1
IMC-2000	International Mechanical Code®.....	101.4.3, 201.3, 307.9, 406.4.2, 406.6.3, 409.3, 412.4.6, 414.1.2, 414.3, 415.7.1.4, 415.7.2, 415.7.2.8, 415.7.3, 415.7.4, 415.9.11.1, 416.3, 603.1, 707.2, 715.2.2, 715.5.4, 715.6.1, 715.6.2, 715.6.3, 716.5, 718.1, 903.2.14.1, 904.2.1, 908.6, 909.1, 909.10.2, 1004.3.2.4, 1007.3, 1202.1, 1202.2.1, 1202.4.2, 1202.4.2.1, 1202.5, 1202.5, 1208.3, 2304.5, 2801.2, 2801.2.1, 2801.2.2, 3004.3.1, 3401.3, 3409.6.7.1, 3409.6.8, 3409.6.8.1

KFPC-1999	KY Fire Prevention Code for Existing Buildings.....815 KAR 10:060, 2702.3, 3401.3, 3409.3.2
KPC-2000	Kentucky State Plumbing Code 01.4.4, 102.6, 103.3, 201.3, 415.7.4, 716.5, 903.3.5, (815 KAR, Chapter 20), 1205.3.3, 1503.4, 1611.1, 1806.4.3, 2901.1, 3305.1, 3401.3, 3409.3.2
KY-2002	Kentucky Residential Code (ICC with Ky changes).....101.2, 2113.15, 3401.3
SBCCI SSTD 7-99	Standard for Soil Expansion Index Test1802.3 .2
SBCCI SSTD 10-99	Standard for Hurricane Resistant Residential Construction1609.1.1,2308.2.1
SBCCI SSTD 11-97	Standard for Determining Wind Resistance of Concrete or Clay Roof Tiles1715.2.1, 1715.2.2
SBCCI SSTD 12-97	Standard for Determining Impact Resistance from Windborne Debris1609.1.1
UBC Standard 18-2	Expansion Index Test.....1802.3.2
UBC 26-4-97	Method of Test for the Evaluation of Flammability Characteristics of Exterior, Nonload- Bearing Wall Panel Assemblies Using Foam Plastic Insulatio.....2603 .5 .5
UWIC-2000	Urban Wildland Interface CodTable 1505.1

<div>NCMA</div> <div>National Concrete Masonry Association 2302 Horse Pen Road Herndon, VA 22071-3499</div>	
Standard Reference Number	Referred in code section number
NCMA-TEK 5-8A-96	Design Details for Concrete Masonry Fire WallsTable 719.I(2)

<div>NEMA</div> <div>National Electrical Manufacturers Association 2101 L Street, N.W., Suite 300 Washington, DC 20037</div>	
Standard Reference Number	Title
NEMA-250-97	Enclosures for Electrical Equipment (1000 volts. Max).....1621.3.13.1
NEMA ICS 6-93	Industrial Control and System Enclosures.....1621.3.13.1

<div>NFPA</div> <div>National Fire Protection Association 1 Batterymarch Park Quincy MA 02269-9101</div>	
Standard Reference Number	Title
NFPA 11-98	Low Expansion Foam904.7
NFPA 11A-99	Medium- and High-expansion Foam Systems904.7
NFPA 12-00	Carbon Dioxide Extinguishing Systems904.8, 904.11
NFPA 12A-97	Halon 1301 Fire Extinguishing Systems904.9
NFPA 13-99	Installation of Sprinkler Systems704.12, 707.2, 903.3.1.1, 903.3.2, 903.3.5.1.1, 904.11, 907.8, 1621.3.10.1, 3104.5, 3104.9

NFPA 13D-99	Installation of Sprinkler Systems in One- and Two- family Dwellings and Manufactured Homes 03.1.2, 903.3.1.3, 903.3.5.1.1
NFPA 13R-99	Installation of Sprinkler Systems in Residential Occupancies Up to and Including Four Stories in Height903.1.2, 903.3.1, 903.3.5.1.1, 903.3.5.1.2, 903.4
NFPA 14-00	Standpipe, Private Hydrants and Hose Systems.....905.2, 905.3.2, 905.3.5, 905.4.2, 905.8
NFPA 16-99	Installation of Foam-water Sprinkler and Foam-water Spray Systems904.7, 904.11
NFPA 17-98	Dry Chemical Extinguishing Systems04.6, 904.11
NFPA 17A-98	Wet Chemical Extinguishing Systems904.5, 904.11
NFPA 30-00	Flammable and Combustible Liquids Code307.9, 415.3
NFPA 30B-98	Manufacture and Storage of Aerosol Products307.9
NFPA 32-00	Drycleaning Plants415.7.4
NFPA 33-00	Spray Application Using Flammable and Combustible Materials307.9, 416.1
NFPA 34-00	Dipping and Coating Processes Using Flammable or Combustible Liquid307.9, 416.1
NFPA 40-01	Storage and Handling of Cellulose Nitrate Motion Picture Film409.1
NFPA 50-01	Bulk Oxygen Systems at Consumer Sites903.3.1, 903.3.5.1.1, 903.3.5.1.2, 903.4
NFPA 54-99	National Fuel Gas Code101.4.2, 201.3, 307.9, 415.7.3, 2113.11.2, 2801.1, 3401.3
NFPA 55-98	Storage , Use and Handling of Compressed and Liquefied Gases in Portable Containers.....
NFPA 58-01	LP-Gas Code 415.7.3
NFPA 70-99	National Electric Code.....101.4.1, 904.3.1, 907.5, 909.11, 909.12.1, 909.16.3, 1003.2.10.5, 1003.2.11.2, 1204.4.1, 1405.10.4, 2701.1, 2702.1, 3401.2
NFPA 61-99	Prevention of Fires and Dust Explosions in Agricultural Food.....415.7.1
NFPA 72-99	National Fire Alarm Code.....505.4, 901.6, 903.4.1, 904.3.5, 907.2, 907.2.1, 907.2.1.1, 907.2.10, 9017.2.10.4, 907.2.11.2, 907.2.11.3, 907.2.12.2.3, 907.2.12.3, 907.4, 907.5, 907.9.2, 907.10, 907.14, 907.16, 907.17, 909.12, 909.12.3, 911.1, 3006.5
NFPA 80-99	Fire Doors and Fire Windows.....302.1.1.1, 714.2, 714.2.6.1, 714.2.7.2, 714.3, 714.3.3. 1003.3.1.3.3
NFPA 82-99	Incinerators and Waste and Linen Handling Systems and Equipment.....
NFPA 85-01	Boiler and Combustion Systems Hazards Code415.7.1
NFPA 96-01	Ventilation Control and Fire Protection of Commercial Cooking Operations904.11
NFPA 101-00	Code for Safety to Life from Fire in Buildings and Structures1008.5.2
NFPA 102-95	Assembly Seating, Tents and Membrane Structures.....Table 1607.1
NFPA 110-02	Emergency and Standby Power Systems2702.1
NFPA 111-01	Stored Electrical Energy Emergency and Standby Power Systems2702.1
NEPA 120-99	Coal Preparation Plants415.7.1
NFPA 204-02	Guide for Smoke and Heat Venting3104.11
NFPA 230-99	Fire Protection of Storage507.2
NFPA 252-99	Standard Methods of Fire Tests of Door Assemblies714.2.1, 714.2.2, 714.2.3, 714.2.4.1
NFPA 253-00	Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Energy Heat Source804.2, 804.3
NFPA 257-00	Standard on Fire Test for Window and Glass Block Assemblies714.2.3, 714.3, 714.3.1
NFPA 259-98	Test Method for Potential Heat of Building Materials2603.4.1.10, 2603.5.3
NFPA 265-98	Standard Methods of Fire Tests for Evaluating Room Fire Growth Contribution of Textile Wall Coverings.....803.5.1
NFPA 268-96	Standard Test Method for Determining Ignitibility of Exterior Wall Assemblies Using a Radiant Heat Energy Source 406.2.1, 1406.2.1.1, 1406.2.1.2, 2603.5 .7

Continued on Next Page

NFPA 285-98	Standard Method of Test for the Evaluation of Flammability Characteristics of Exterior Nonloadbearing Wall Assemblies Containing Combustible Components Using the International Scale, Multistory Test Apparatus2603.5.5
NFPA 409-01	Standard on Aircraft Hangars.....412.2.6, 412.4 .5
NFPA 418-01	Standard for Heliports412.5.6
NFPA 651-98	Machining and Finishing of Aluminum and the Production and Handling of Aluminum Powders415.7.1
NFPA 654-00	Prevention of Fire & Dust Explosions from the Manufacturing, Processing and Handling of Combustible Particulate Solids Industries415.7.1
NFPA 655-01	Prevention of Sulfur Fires and Explosions415.7.1
NFPA 664-98	Prevention of Fires and Explosions in Wood Processing and Woodworking Facilities415.7.1
NFPA 701-99	Methods of Fire Test for Flame-Propagation of Textiles and Films802.1, 805.1, 805.2, 3102.3.1, 3105.3
NFPA 704-96	Identification of the Hazards of Materials for Emergency Response414.7.2, 415.2
NFPA 1124-98	Manufacture, Transportation, and Storage of Fireworks and Pyrotechnic Articles415.3.1
NFPA 1963-98	Fire Hose Connections903.3.6, 905.1
NFPA 2001-00	Standard on Clean Agent Fire Extinguishing Systems904.10

NIST

National Institute of Standards and Technology
100 Bureau Dr., Stop 3460
Gaithersburg, MD 20899-3460

Standard reference number	Title	Referenced in code section number
BMS 71-41	Fire Tests of Wood and Metal framed partitions.....	720.7
TRBM-44-46	Fire-resistance and Sound-insulation Ratings for Walls, Partitions and Floors.....	720.7

PCI

Precast Prestressed Concrete Institute
175 W. Jackson Boulevard, Suite 1859
Chicago, IL 60604-9773

Standard Reference number	Title	Referenced in code section number
MNL 124-1989	Design for Fire Resistance of Precast Prestressed Concrete	720.2.3.1

PTI

Post-Tensioning Institute
1717 XV. Northern Avenue, Suite 114
Phoenix, AZ 85021

Standard Reference number	Title	Referenced in code section number
PTI 996	Design and Construction of Post-Tensioned Slabs-on-ground, 2nd Edition	1805.8.2

RMA

Rubber Manufacturers Association
1400 K. Street, NW. #900
Washington, DC 20005

Standard Reference Number	Title	Referenced in code section number
RP-1-90	Minimum Requirements for Non-reinforced Black EPDM Rubber Sheets	I 507.1.2.2
RP-2-90	Minimum Requirements for Fabric-reinforced Black EPDM Rubber Sheets	1507.12.2
RP-3-85	Minimum Requirements for Fabric-reinforced Black Polychloroprene Rubber Sheets	1507.12.2
RMA/SPRI RP-4-1988	Wind Design Guide for Ballasted Single-ply Roofing Systems	1504.4

RMI

Rack Manufacturers Institute
8720 Red Oak Boulevard, Suite 201
Charlotte, NC 28217

Standard reference number	Title	Referenced in code section number
RMI (1997)	Design, Testing and Utilization of Industrial Steel Storage Racks	2210, 1622.3.4

SAE

Society of Automotive Engineers
400 Common Wealth Drive
Warrendale, PA 15096

Standard reference Number	Title	Referenced in code section number
SAE J78-98	Steel Self Drilling Tapping Screws	211.2, 2211.3.3

SJI

Steel Joist Institute
3127 10th Avenue, North
Myrtle Beach, SC 29577-6760

Standard Reference Number	Title	Referenced in code section number
SJI-1994	Standard Specification, Load Tables and Weight Tables for Steel Joists and Joist Girders.....	1604.3.3, 2206
SJI-1994	Open Web Steel Joists, K Series	2206
SJI-1994	Longspan Steel Joists, LH Series and Deep Longspan Steel Joists, DLH Series	2206

SMACNA

Sheet Metal & Air Conditioning Contractor's National Assn., Inc
4201 Lafayette Center Drive.
Chantilly, VA 20151

Standard Reference Number	Title	Referenced in code section number
SMACNA-HVAC-95	HVAC Duct Construction Standards, Metal and Flexible	621.3.9
SMACNA-Seismic-98	Seismic Restraint Manual Guidelines for Mechanical Systems. 1991, including Appendix B. 1998.....	1621.3.9

TIA

Telecommunications Industrial Association
2500 Wilson Boulevard
Arlington, VA 22201-3834

Standard Reference number	Title	Referenced in code section number
EIA-TIA 222-E-91	Structural Standards for Steel Antenna Towers and Antenna Supporting Structures	3108.4

TMS

The Masonry Society
3970 Broadway, Unit 201-D
Boulder, CO 80304-1135

Standard Reference number	Title	Referenced in code section number
0216-97	Standard Method for Determining Fire Resistance of Concrete and Masonry Construction Assemblies	Table 719.1(2), 720.1
402-99	Building Code Requirements for Masonry Structures 1604.3.4, 1704.5, 1704.5.1, 1704.5.2, 1704.5.3, Table 1704.5.1, Table 1704.5.3, 1708.1.1, 1708.1.2, 1708.1.3, 1708.1.4 1805.5.2, 1811.7, 2101.2.3, 2101.2.4, 2106.1.1, 2106.1.1.1, 2106.1.1.2, 2106.1.1.3, 2106.1.1.4, 2106.1.1.5, 2106.1.2, 2106.1.2.1, 2106.1.2.2, 2106.1 2.3, 2106.2, 2106.4.2.1, 2106.4.2.2, 2106.5.1, 2107.1, 2107.2, 2107.2.1, 2107.2.2, 2107.2.3, 2107.2.4, 2107.2.5, 2108.6.5, 2109.1, 2109.2.3.1	1405.5, 1405.5.3, 1405.5.3.1, 1405.9,
602-99	Specifications for Masonry Structures..... Table 1704.5.1, Table 1704.5.3, 2104.1, 2104.1.1, 2108.7.2	1405.5.2, 1405.9.1

TPI

Truss Plate Institute
583 D'Onofrio Drive, Suite 200
Madison, WI 53719

Standard reference number	Title	Referenced in code section number
TPI 1-95	National Design Standard, for Metal Plate Connected Wood Construction	303.4, 2306.1

UL

Underwriters Laboratories
333 Pfingsten Road
Northbrook, IL 60062-2096

Standard Reference Number	Title	Referenced in code section number
UL 10A-98	Tin Clad Fire Doors-with Revisions through July, 1998	714.2
UL 10B-97	Fire Tests of Door Assemblies	714.2.2
UL 10C-98	Positive Pressure Fire Tests of Door Assemblies	14.2.1, 714.2.3
UL 14B-98	Sliding Hardware for Standard Horizontally Mounted Tin Clad Fire Doors	714.2.1, 714.2.3
UL 14C-96	Swinging Hardware for Standard Tin Clad Fire Doors Mounted Single and in Pairs	714.2
UL 103-95	Chimneys, Factory-Built, I Residential Type and Building Heating Appliance -with Revisions through March, 1999.....	716.2.5
UL 127-96	Factory-built Fireplaces	716.2.5
UL 268-96	Smoke Detectors for Fire Protective-Signaling Systems-with Revisions through January, 1999	407.6, 907.2.6.1
UL 300-96	Fire Testing of Fire Extinguishing Systems for Protection of Restaurant Cooking Areas -with Revisions through December, 1998	904.11
UL 555-96	Fire Dampers	715.3
UL 555C-96	Ceiling Dampers.....	715.3, 715.6.2
UL 555S-99	Smoke Dampers – with Revisions through December, 1999	715.3, 715.3.1.1
UL 580-94	Test for Uplift Resistance of Roof Assemblies-with Revisions through February, 1998	1504.3.1, 1504.3.2

UL 641-95	Type L Low-Temperature Venting Systems.....	2113.11.1.4
UL 790-97	Tests for Fire Resistance of Roof Covering Materials	1505.1, 1505.6, 2603.6, 2610.2, 2610.3
UL 864-96	Control Units for Fire Protective Signaling Systems	909.12
UL 1040-96	Fire Test of Insulated Wall Construction	1407.9.3, 2603.4, 2603.7
UL 1256-98	Fire Test of Roof Deck Construction – with Revisions through March, 2000	1508.1, .2603.3, 2603.4.1.5
UL 1715-97	Fire Test of Interior Finish Material	1407.9.2, 1407.9.3, 2603.4, 2603.7
UL 1777-96	Chimney Liners-with Revisions through August, 1998	2113.11.1, 2113.19
UL 1784-95	Air Leakage Tests of Door Assemblies	714.2.3., 714.2.5.1
UL 1897-98	Uplift Tests for Roof Covering Systems	1504.3.1
UL 1975-90	Fire Test of Foamed Plastic Used for Decorative Purposes	402.14.5
UL 2079-98	Tests for Fire Resistance of Building Joint Systems	702.1, 712.3

ULC

Underwriters Laboratories of Canada
7 Crouse Road
Scarborough, Ontario, Canada M1 R3A9

Standard reference number	Title	Referenced in code section number
CAN/ULC/5102.2-88	Surface Burning Characteristics of Building Materials and Assemblies	718.4

USC

United States Code
c/o Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20402-9325

Standard Reference Number	Title	Referenced in code section number
USC Title 18: Chapter 40-94	Importation, Manufacture, Distribution and Storage of Explosive Materials	307.2

USACE

United States Code
c/o Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20402-9325

Standard Reference Number	Title	Referenced in code section number
TM 5-809-10 NAVFAC P-355 AFM 88-3, Chapter 13	Seismic Design for Buildings	1622.4.3

WES

Department of the Army, Waterways Experiment Station, Corps of Engineers
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

Standard Reference Number	Title	Referenced in code section number
ITL-92-11	The Seismic Design of Waterfront Retaining Structures	1622.4.2



Wire Reinforcement Institute, Inc.
203 Loudon Street, S.W.
2nd Floor, Suite 203C
Leesburg, VA 22075

Standard Reference Number	Title	referenced in code section number
WRI/CRSI-96	Design of Slab-on-ground Foundations.....	1805.8.2